SANYO

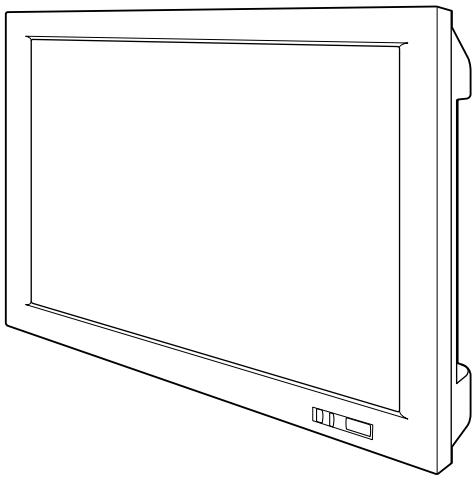
FILE NO.

SERVICE MANUAL

Multimedia Plasma Monitor

Model No. PDP-42H1EV
(EUROPE)
PDP-42H1A
(U.S.A., ASIA)

ORIGINAL VERSION



Chassis No. PDP-42H1E-00
(PDP-42H1EV)

Chassis No. J3B-42H1A00
(PDP-42H1A)

NOTE: Match the Chassis No. on the unit's back cover with the Chassis No. in the Service Manual.
If the Original Version Service Manual Chassis No. does not match the unit's, additional Service Literature is required. You must refer to "Notices" to the Original Service Manual prior to servicing the unit.

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PRODUCT CODE
1 114 019 00 PDP-42H1EV, J3BL
1 114 034 00 PDP-42H1A, J3BJB

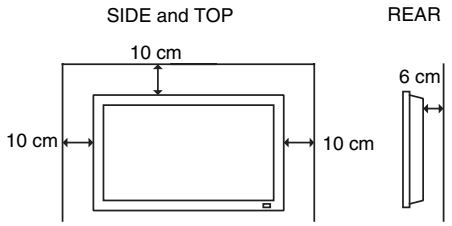
REFERENCE NO. SM5110311-00

SAFETY PRECAUTIONS

WARNING : TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.

- This Plasma Monitor should be set in the way indicated. If not, it may result in a fire hazard.
- Take appropriate space on the top, sides and rear of the Plasma Monitor cabinet for allowing air circulation and cooling the Plasma Monitor. Minimum distance should be taken. If the Plasma Monitor is to be built into a compartment or similarly enclosed, the minimum distances must be maintained. Do not cover the ventilation slot on the Plasma Monitor. Heat build-up can reduce the life of your Plasma Monitor, and can also be dangerous.
- If the Plasma Monitor is not to be used for an extended time, unplug the Plasma Monitor from the power outlet.

READ AND KEEP THIS OWNER'S MANUAL FOR LATER USE.



CAUTION IN INSTALLING

- Handle the Plasma Monitor carefully when installing it and do not drop.
- Locate set away from heat, excessive dust, and direct sunlight.
- For correct installation and mounting it is strongly recommended to use a trained, authorized dealer. Failure to follow correct mounting procedures could result in damage to the equipment or injury to the installer.

NOTE :
When Plasma Monitor is not used for a long period of time, unlighting dots may be observed. This is caused by characteristic of the Plasma Monitor. If this occurs, turn the Plasma Monitor on and leave it on about 1 hour. These dots will gradually disappear.

CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN

CAUTION : TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

THIS SYMBOL INDICATES THAT DANGEROUS VOLTAGE CONSTITUTING A RISK OF ELECTRIC SHOCK IS PRESENT WITHIN THIS UNIT.	THIS SYMBOL INDICATES THAT THERE ARE IMPORTANT OPERATING AND MAINTENANCE INSTRUCTIONS IN THE OWNER'S MANUAL WITH THIS UNIT.

PRODUCT SAFETY NOTICE

Product safety should be considered when a component replacement is made in any area of the monitor. Components indicated by mark ⚠ in the parts list and the schematic diagram designate components in which safety can be of special significance. It is, therefore, particularly recommended that the replacement of there parts must be made by exactly the same parts.

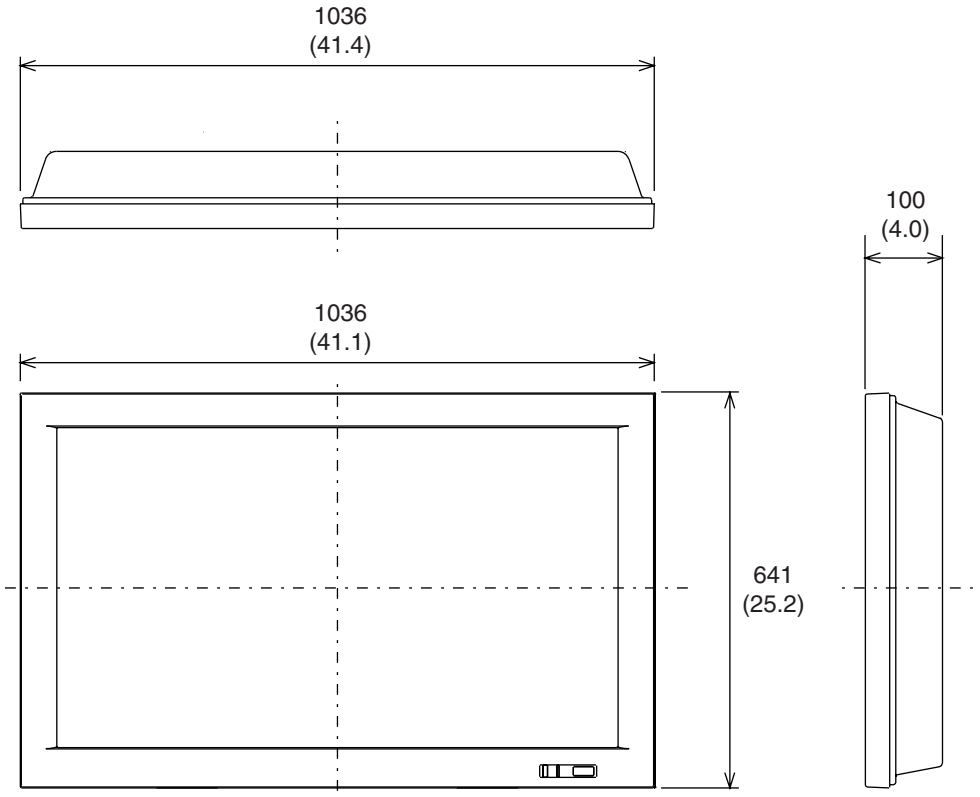
■ Technical Specifications

Screen Diagonal	42V
Product name	Multimedia Plasma Monitor
Panel type	Plasma Display Panel (16 x 9)
Display area	922 mm (W) x 522 mm (H)
Resolution / Color	1024 x 1024 pixels / 16,770,000 colors
Viewing Angle	160˚ (Vertical / Horizontal)
Color System	PAL / SECAM / NTSC / NTSC4.43 / PAL-M / PAL-N
PC Interface	D-SUB, RGB
Capability	Up to XGA
Plug & Play	VESA DDC2B
Power Management	VESA DPMS
Audio Amp	10W + 10W (8 Ω)
Terminals	
VIDEO1-3 IN ✻	VIDEO (RCA type / BNC type), S-VIDEO (Mini DIN 4pin type)
	AUDIO R and L (MONO) (RCA type)
COMPONENT/RGB IN ✻	Y, Pb/Cb, Pr/Cr / R, G, B, VD, HD (BNC type)
	AUDIO R and L (RCA type)
THROUGH OUT ✻	Y, Pb/Cb, Pr/Cr / R, G, B, VD, HD (BNC type)
(COMPONENT/RGB)	AUDIO R and L (RCA type)
MONITOR OUT ✻	VIDEO (RCA type / BNC type)
	AUDIO R and L (RCA type)
PC IN	RGB (D-SUB 15pin)
	AUDIO R / L (Stereo Mini jack)
RS232C IN	RS232C (D-SUB 9pin)
WIRED RC IN	Mini Jack
HEADPHONE OUT	Stereo Mini Jack
EXT. SP OUT	R and L, 10W (8 Ω), Push type
AC IN	3PIN
POWER SUPPLY	AC 220 - 240V 50 Hz (PDP-42H1EV)
	AC 100 - 120V 50/60 Hz, AC 200 - 240V 50/60 Hz (PDP-42H1A)
DIMENSION (W x H x D)	1036 x 641 x 100 mm (41.4" x 25.2" x 4") (Plasma Monitor only)
WEIGHT (NET)	36 kg (79.3 lbs) (Plasma Monitor only)
Regulations	FCC CLASS-B, UL (PDP-42H1A), CE (PDP-42H1EV, PDP-42H1E)
Environmental Considerations	
Operating Temperature	0˚C ~ 40˚C (32˚F ~ 104˚F)
Humidity	20 ~ 80%
Altitude	0 ~ 2,000 m (0 ~ 6,560 ft)
Storage Temperature	-10˚C ~ 50˚C (14˚F ~ 122˚F)
Humidity	20 ~ 80 %
Altitude	0 ~ 3,000 m (0 ~ 9,840 ft)
Accessories	Owner's Manual
	AC Power Cord
	Wired/Wireless Remote Control Transmitter and Batteries
	Remote Control Cable
	BNC / RCA Adapter (x3)
	Ferrite cores

✻ Those terminals are not provided on model PDP-42H1E.
● Specifications are subject to change without notice.

■ Dimensions and Options

MEASUREMENT



Size in mm (inch)

OPTIONS

The products listed below are optionally supplied.
When ordering these products, give name and Type No. to sales dealer.

Speaker unit	**KA-SX-42H (R and L)**
Table top stand	**KA-TD-H10S**
Side rack	**KA-TD-R100**
Tilt mount unit	**KA-TI-H10**
Wall mount unit	**KA-WA-H10WV**
Ceiling mount unit	**KA-CH-H10**
Floor Stand	**KA-TD-42HW**

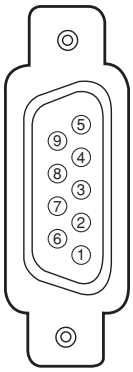
CONFIGURATIONS OF RS232C TERMINALS

RS232C TERMINAL

Terminal : HDB9-PIN

Connect the serial port of computer to this terminal with Serial Cross Cable (not supplied).

Pin Configuration



1	No Connect	**6**	DSR
2	R x D	**7**	No Connect
3	T x D	**8**	No Connect
4	DTR (5V)	**9**	No Connect
5	Ground		

INTERFACE

Protocol	RS-232C
Boadrate	9600 bps
Data length	8 bits
Parity	-
Stop bit	2 bits
Flow control	-

COMMAND

OPERATION	RS232C COMMAND (ASCII)
POWER ON-OFF	C03
POWER ON	C00
POWER OFF	C01
VOLUME UP	C09
VOLUME DOWN	C0A
MUTE	C0B
INPUT (Input signal select)	C22
INPUT "VIDEO" (VIDEO1 / VIDEO2)	C23
INPUT "COMPONENT" (COMPONENT)	C24
INPUT "PC / RGB" (PC / RGB)	C25
WIDE (Wide mode select)	C10
Wide mode "Normal"	C0F
Wide mode "Natural wide"	C26
Wide mode "Zoom"	C27
Wide mode "Zoom (Caption-IN)"	C28
Wide mode "Full"	C29
PICTURE	C30
Screen Saver "Rotation-On"	C46
Screen Saver "Rotation-Off"	C47
Screen Saver "White pattern-On"	C5F
Screen Saver "White pattern-Off"	C60

EXAMPLE : POWER ON (C00)

	FUNCTION CODE / END CODE
HEX	43h 30h 30h 0Dh 0Ah
ASCII	'C' '0' '0' [CR] [LF]

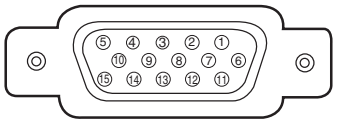
CONFIGURATIONS OF PC TERMINALS

PC IN (D-SUB) TERMINAL

Terminal : HDB15-PIN

Connect the display output terminal of computer to this terminal with VGA Cable (supplied). When connecting the Macintosh computer, the MAC Adapter (not supplied) is required.

Pin Configuration

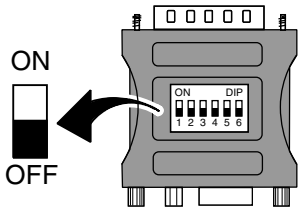


1	Red Input	**9**	No Connect
2	Green Input	**10**	Ground (Vert.sync.)
3	Blue Input	**11**	Sense 0
4	Sense 2	**12**	Sense 1
5	Ground (Horiz.sync.)	**13**	Horiz. sync.
6	Ground (Red)	**14**	Vert. sync.
7	Ground (Green)	**15**	Reserved
8	Ground (Blue)		

MAC ADAPTER (NOT SUPPLIED)

Set Slide Switches as shown in the table below depending on RESOLUTION MODE that you want to use before you turn-on Plasma Monitor and computer.

Slide Switches (1 ~ 6)



	1	2	3	4	5	6
13” MODE (640 x 480)	ON	ON	OFF	OFF	OFF	OFF
16” MODE (832 x 624)	OFF	ON	OFF	ON	OFF	OFF
19” MODE (1024 x 768)	OFF	ON	ON	OFF	OFF	OFF
21” MODE (1152 x 870)	ON	ON	ON	ON	OFF	OFF

■ Mechanical Disassemblies

■ Optional Stand Removal

1.Put the PDP Monitor Display with the screen face down on the flat desk.

CAUTION : When placing the display with the face down, lay the soft cloth under the screen to protect the screen surface. And make sure there is nothing to damage the screen surface like a screw or small part near by before placing the display.

2.Remove 6 Screws (A). (Fig. 1)

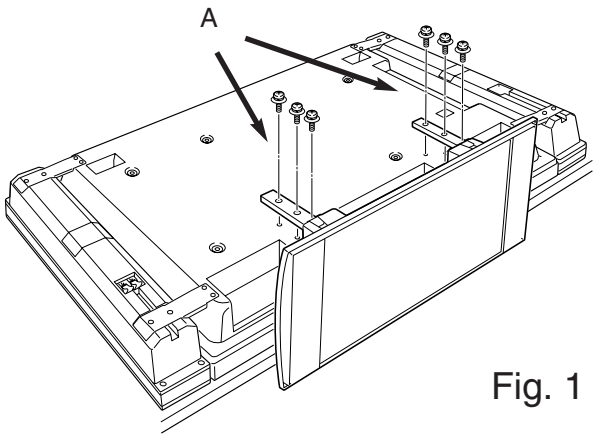


Fig. 1

■ Optional Speaker Removal

1.Remove speaker lead wires (R & L).

2.Remove 16 Screws (B) and 4 plates. (Fig. 2)

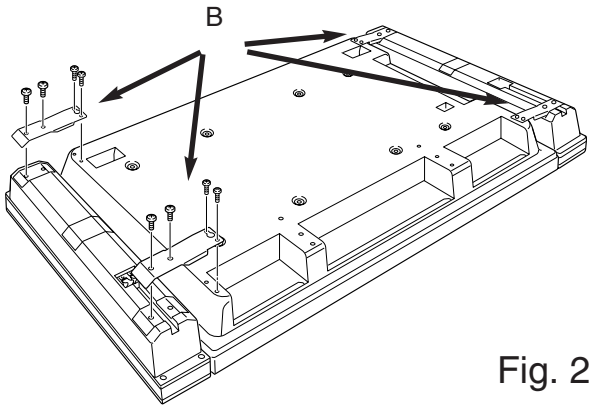


Fig. 2

1. Cabinet Back Removal (Fig. 3)

Remove screws (A,B) and remove Cabinet Back as Fig. 3.

A (36pcs: 4X8), B (4pcs: 5X16)

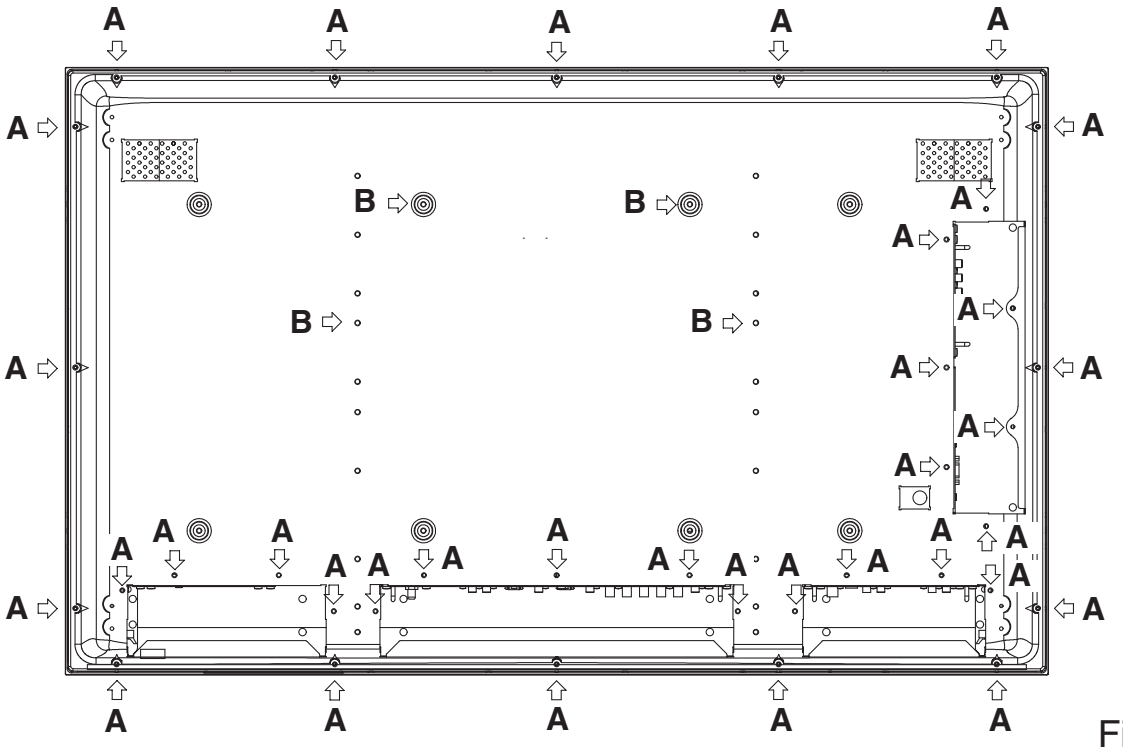


Fig. 3

Location of Circuit Board

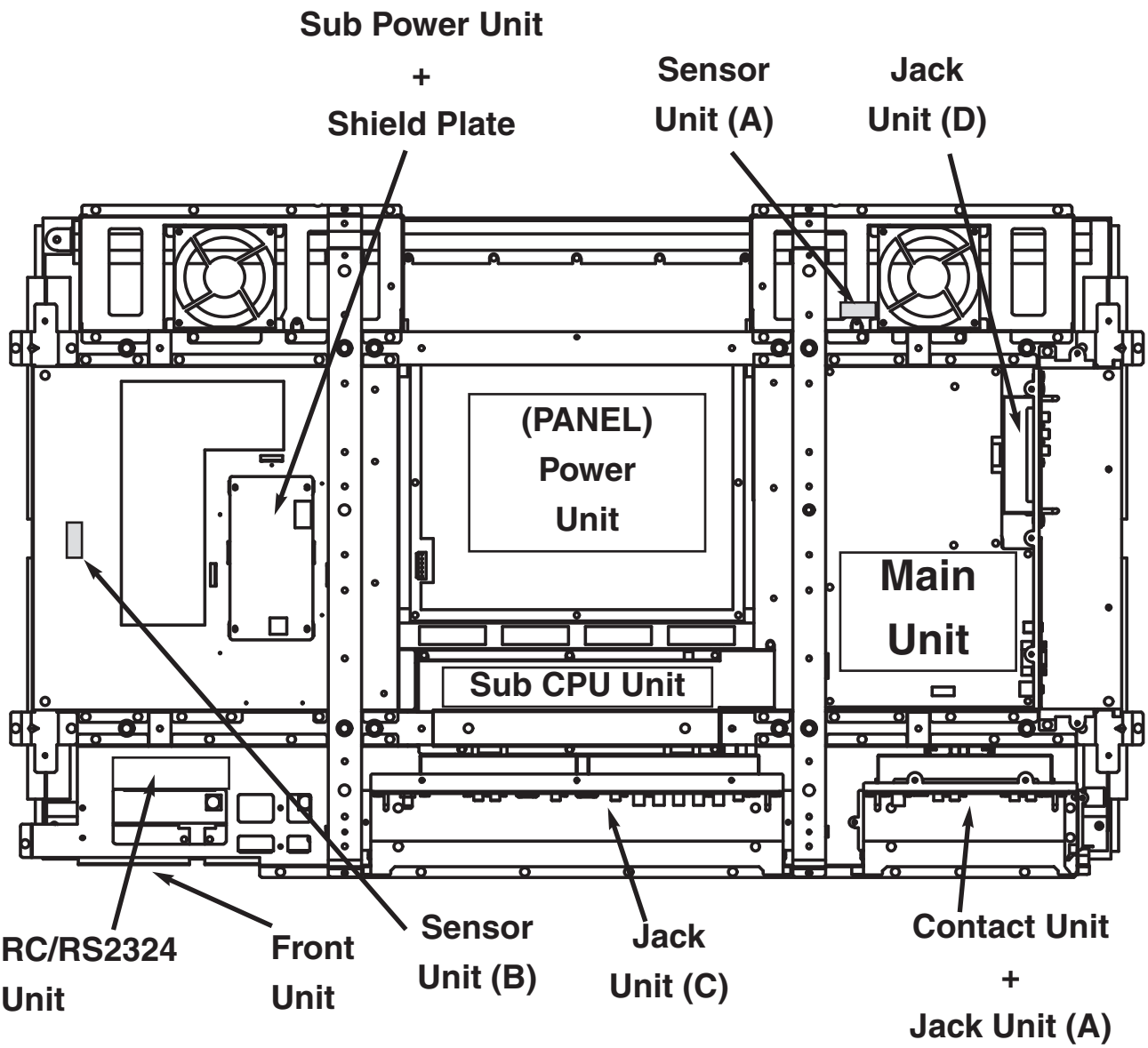


Fig. 4

2. Panel Module and Chassis Removal (Fig. 5)

1) Remove 21 screws (C: 4X8). (Fig. 5)
2) Remove Flat Cable from Front Unit (R/C AMP. or Power SW ...etc.) to Sub CPU Unit (K8H).

Note: This cable is fixed with another cables by ferrite core. After servicing, it is necessary to be fixed to previous position.

3) Remove chassis with Panel Module to have Panel Holders and lift up.
4) Place chassis with the face down to the desk with soft cloth.

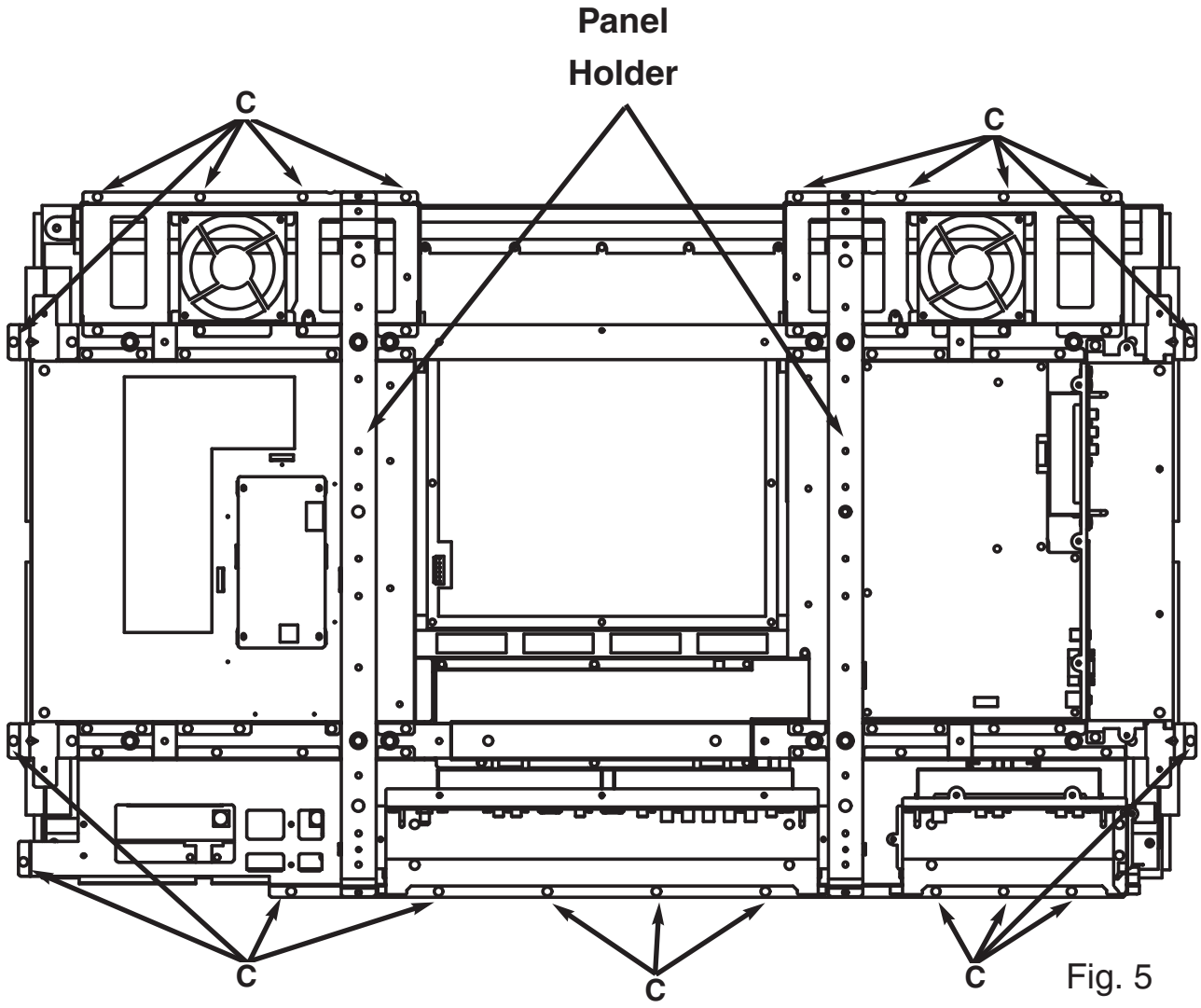


Fig. 5

[ATTENTION]

This PDP monitor is used the different kind of screw. Using **correct screw** is needed to avoid the damage.

3. Chassis Removal (Fig. 6)

To remove chassis from Panel Module.

1) Remove screws D (8pcs: 5X40).
2) Lift up the chassis to have Panel Holders and remove one side of the wire between Main Unit (K7S) and Panel Module. (Recommended to remove the connector of Panel Module Side.)
3) Remove the connector of 2 black wires between screw (AA) and Panel Module. (Recommended to remove the terminal of Panel Module Side.)
4) Remove the screw (A) and Yellow - Green wire.
5) Loose the screw (B) and remove the grounding terminal of type “U”.
6) Remove the connectors of (C), (D), (E) and (F) of Panel Power Unit.
7) Lift up Panel Holders and remove the chassis from Panel Module with Panel Power Unit.
8) Remove screws and wires of Panel Power Unit and remove Panel Power Unit from Panel Module.

Note: If the cable is fixed by ferrite core or CV band (fixer), remove it as the need arises. After servicing, it is necessary to be fixed again to previous position.

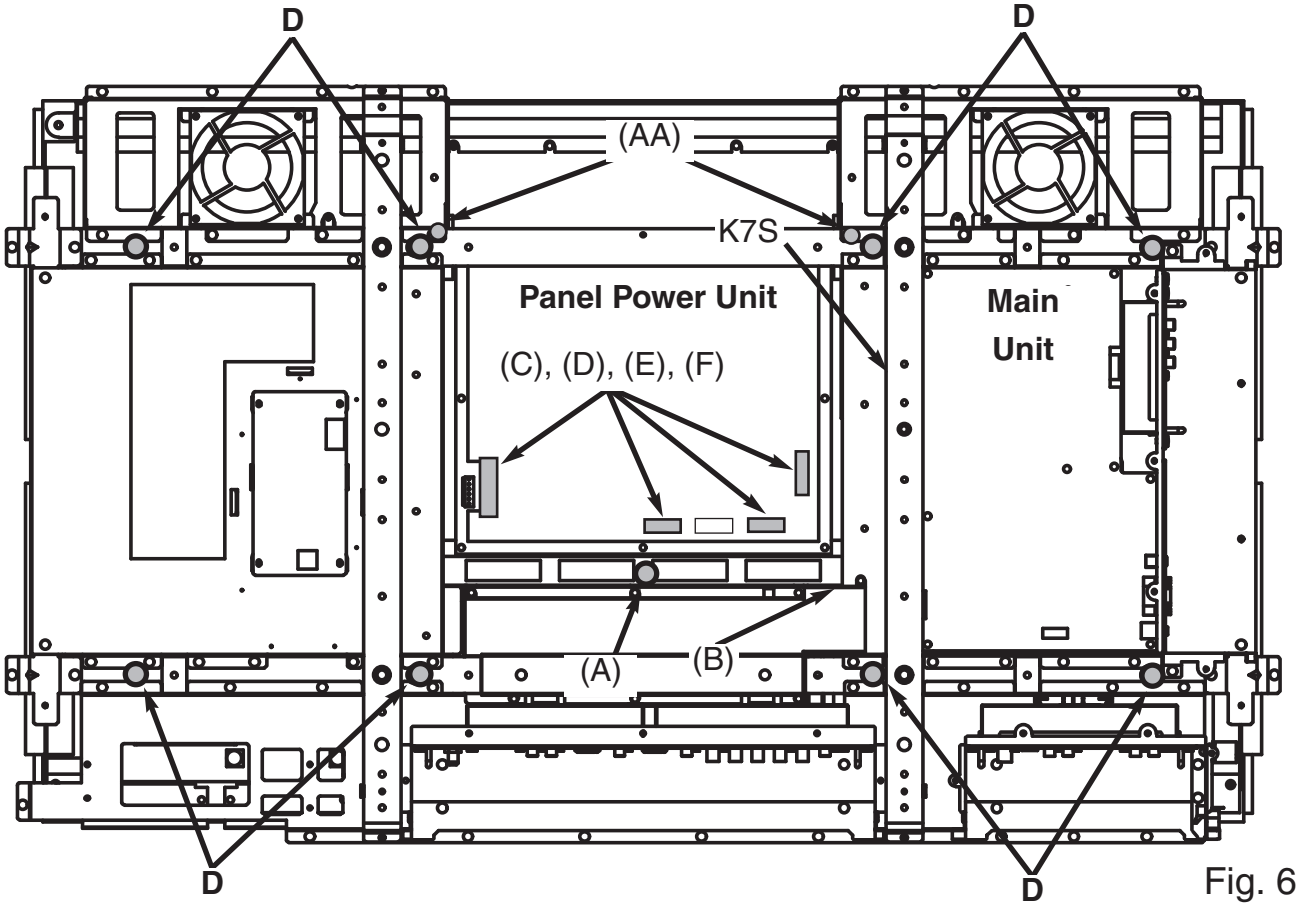


Fig. 6

[NOTE]

Can not clean Panel surface or Optical Filter after assembling Panel Module, if caught the dust to them.

4. Optical Filter Removal

Cabinet Front includes Optical Filter to protect the damage of Panel, improve picture quality, or prevent exposure of interference. For removal of Optical Filter, remove screws of Fig.7-1 and Fig.7-2.

[NOTE]

The Optical Filter is easy to be damaged. Do not touch directly by hand. If there is the dust, remove it by watery neutral detergent.

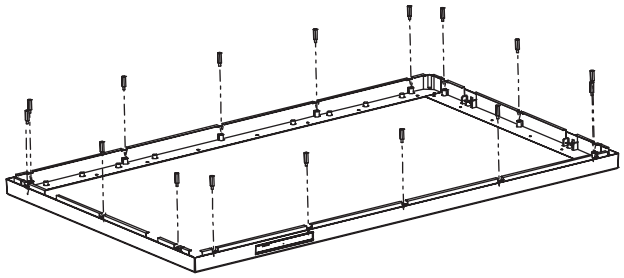


Fig. 7-1

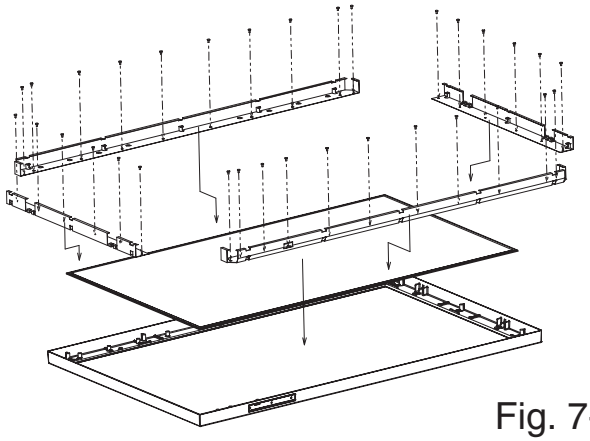


Fig. 7-2

5. Servicing of Unit

Remove screws which fixed PWB for servicing unit.
For Sub Power Unit, remove the shield plate at first.
For Jack Unit, remove terminal plate together.

Note: If the cable is fixed by ferrite core or CV band (fixer), remove it as the need arises. After servicing, it is necessary to be fixed again to previous position.

6. Servicing of Panel Power Unit

Panel Power Unit is not included in Panel Module. Can be ordered. (Refer to parts list.)
The inside parts of Panel Power Unit are not supplied for servicing.

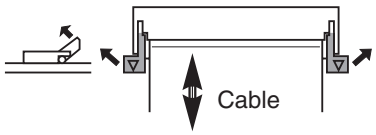
■ PDP Panel Replacement

For change of PDP Panel (Module), proceed **1** to **3**.

■ Flat Cable Removal

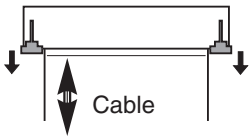
This set is used 3 kinds of connector for flat cable. For removal of cable, refer as below not to damage.

Type A



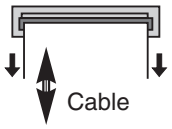
For removal of flat cable, lift up hook of both sides.
For insert and fixing, hold down hook after inserting the flat cable.

Type B



For removal of flat cable, slide hook of both sides.
For insert and fixing, slide hook to previous position after inserting the flat cable.

Type C



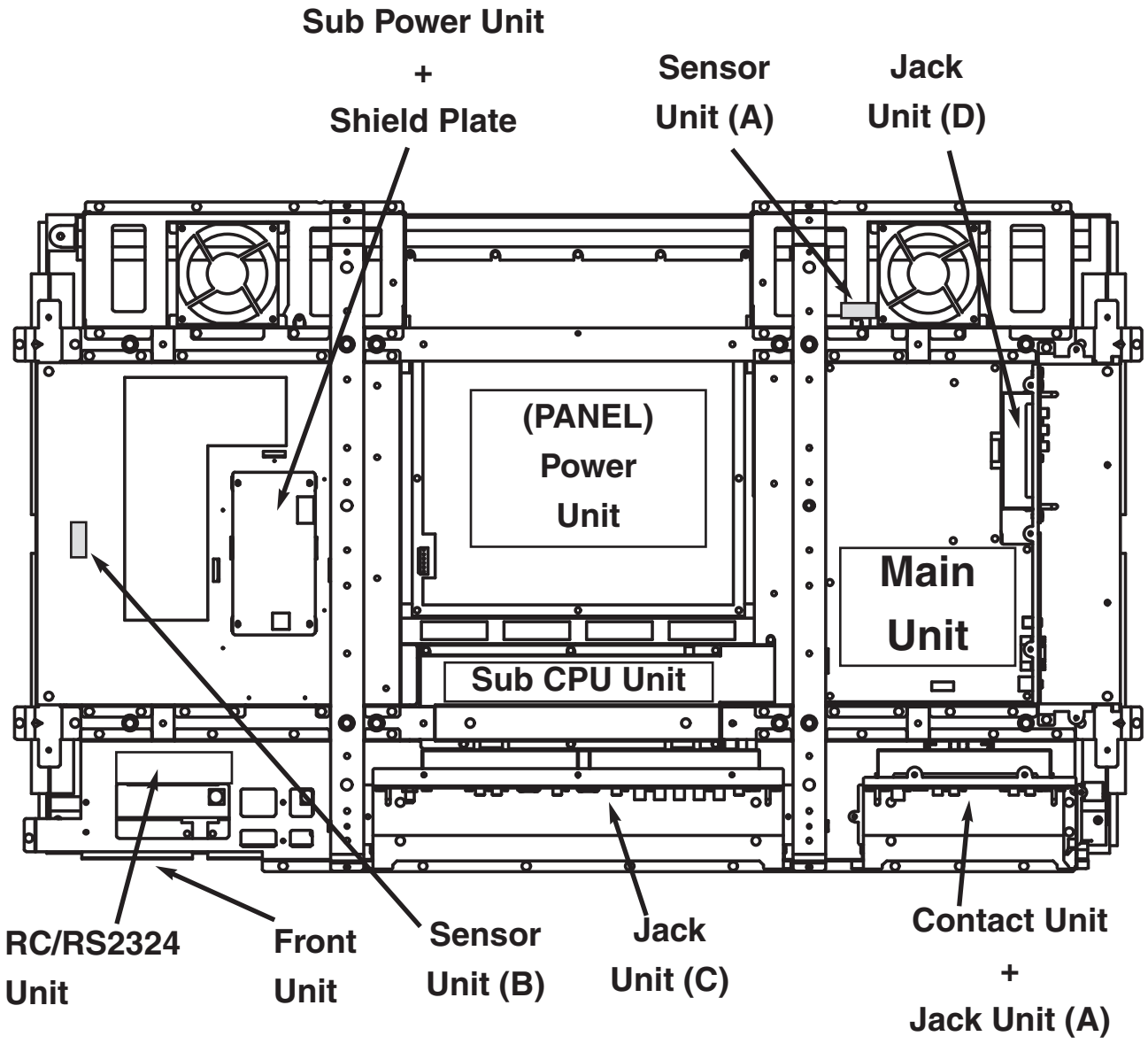
For removal of flat cable, pull off only.
For fixing , insert into socket.

■ For Gasket

The gasket is provided to prevent exposure of interference for other radio and television receptions.
The gasket should be **replaced on previous positions** after servicing.

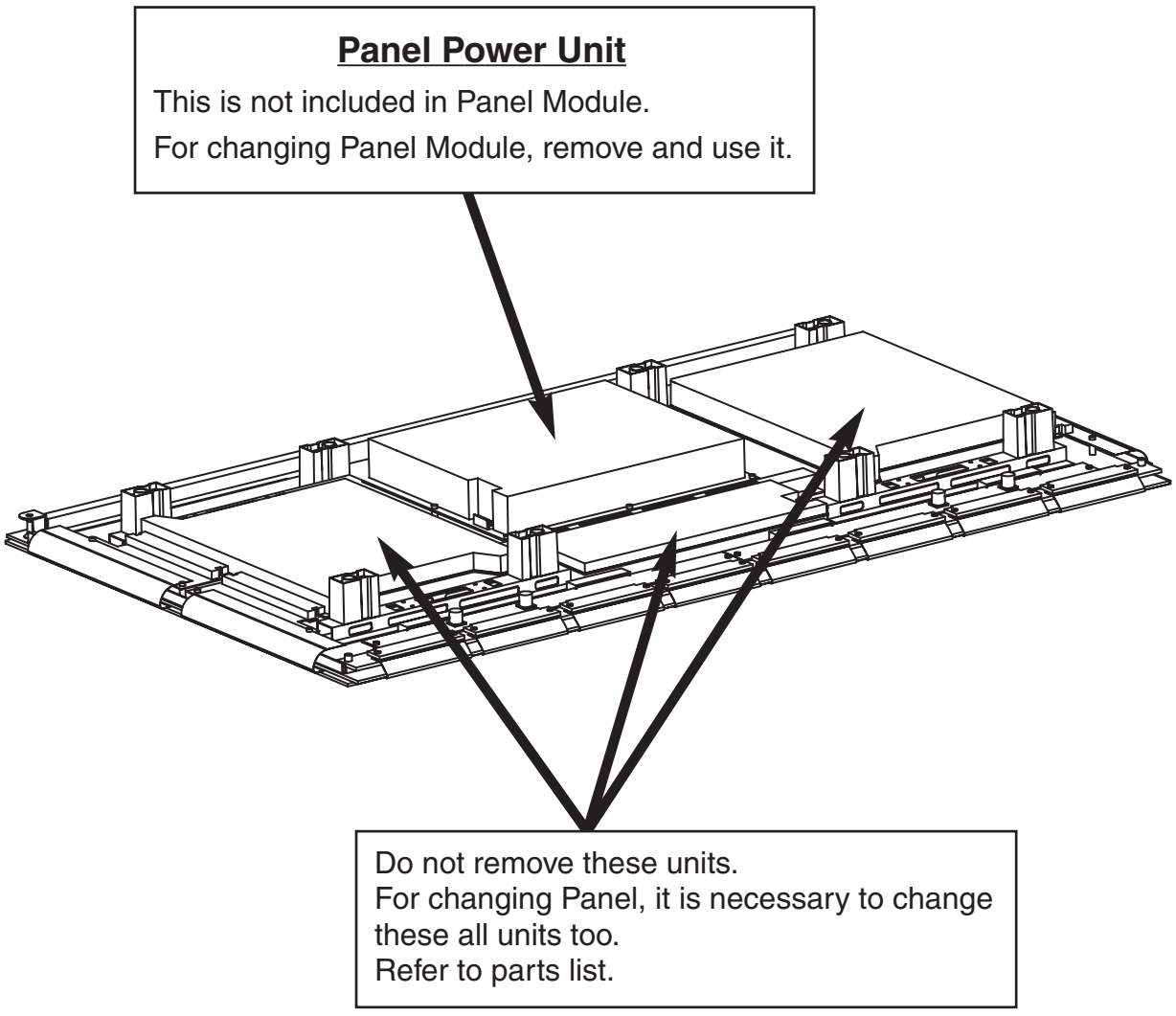
■ Notice for service of Unit

In below Unit, can be repaired inside parts or unit itself. Order service parts for repair.



⚠ Attention

Below 3 Units are included with Panel for PDP Module. Do not remove from Panel.
For changing Panel, it is necessary to change these all units together.


Panel Power Unit
This is not included in Panel Module.
For changing Panel Module, remove and use it.
Do not remove these units.
For changing Panel, it is necessary to change these all units too.
Refer to parts list.

■ Adjustment

CAUTION

The each circuit has been made by the fine adjustment at factory. Do not attempt to adjust the following adjustments except requiring the readjustments in servicing otherwise it may cause loss of performance and product safety.

Before Adjustment

This adjustment is done to enter Service Mode by Remote Control Unit.

■ To enter Service Mode

Quick operation is needed to enter Service Mode.

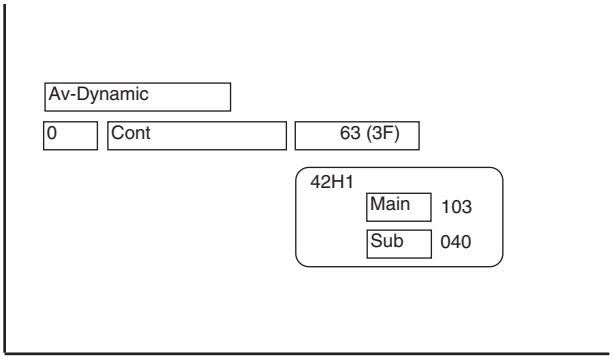
(1) Turn the monitor on.

(2) Press and hold the MENU button on the monitor.

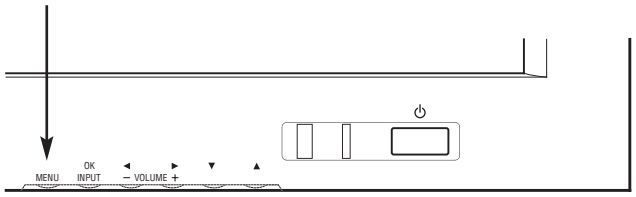
(3) Keep item (2) and press the STATUS button and release the both buttons.

(4) **Within 2 seconds** after item (3), press the MUTE button to appear the Service Mode Display.

■ Service Mode Display



MENU Button

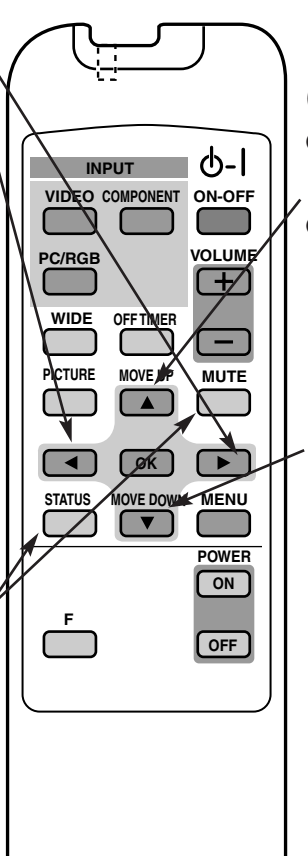


(←) / (→)

To select :

Adjustment Item

or Data Setting



(↑)

● Adjustment : UP

● Data Setting (+)

(↓)

● Adjustment : DOWN

● Data Setting (−)

To enter

Service Mode

STATUS

MUTE

■ To return to the Normal Mode

Once turn the Monitor off by pressing “POWER” button on the monitor or remote control unit and turn it on again.

■ To adjust

The next 2 pages show Data for adjustment.
To select adjustment item, press (↑) button on the remote control unit.
To adjust data, press (→) button (The characters of data become yellow.) and press (↑) or (↓) button to change data.

1) Select adjustment item by (↑) button.

Adjustment item displays in order. To reverse adjustment item, press (↓) button.

2) Press (→) button to change color of characters (of data).

The character of data become yellow by pressing (→) button.

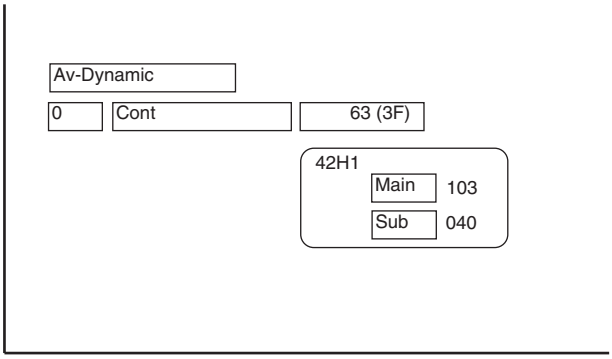
3) Adjust the data by (↑) (↓) button.

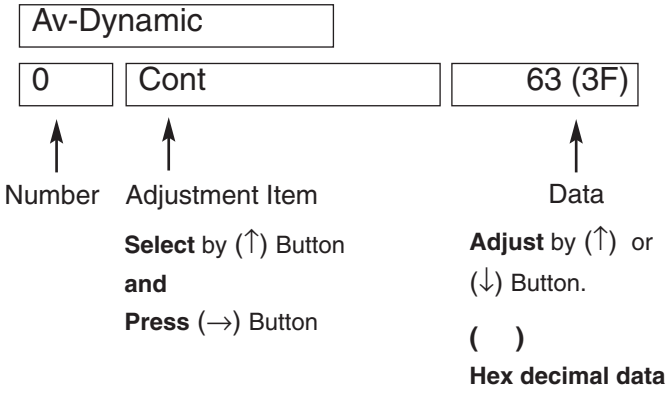
To adjust another item, press (←) button to change color of characters of adjustment item and repeat 1) to 3).

4) To exit the Service Mode.

To exit the service mode, press POWER ON-OFF button on the monitor or remote control unit.

Service Mode Display





The all data adjusted in service mode memorizes into non-volatile memory IC.

Note: In the explanation all buttons are indicated for remote control unit without any notice.

■ Service Adjustment Data Table

No.	Adjustment Name	Adjustment Item	Initial Data	Data Area		Note
				Min	Max	
0	AV-Dynamic	Contrast	63	0	63	Picture Menu (Dynamic)
1		Brightness	31	0	63	
2		Color	42	0	63	
3		Tint	0	-31	32	
4		Sharpness	15	0	30	
5	AV Standard	Contrast	50	0	63	Picture Menu (Natural)
6		Brightness	31	0	63	
7		Color	31	0	63	
8		Tint	0	-31	32	
9		Sharpness	15	0	30	
10	AV Cinema	Contrast	37	0	63	Picture Menu (Cinema)
11		Brightness	32	0	63	
12		Color	22	0	63	
13		Tint	0	-31	32	
14		Sharpness	13	0	30	
15	PC Graphic	Contrast	63	0	63	Picture Menu (Graphic)
16		Brightness	31	0	63	
17		Color	45	0	63	
18		Tint	0	-31	32	
19		----------	--	--	--	
20	PC Standard	Contrast	40	0	63	Picture Menu (Standard)
21		Brightness	31	0	63	
22		Color	31	0	63	
23		Tint	0	-31	32	
24		----------	--	--	--	
25	PC-Text	Contrast	31	0	63	Picture Menu (Text)
26		Brightness	31	0	63	
27		Color	26	0	63	
28		Tint	0	-31	32	
29		----------	--	--	--	
30	Sub Menu AV	Contrast	6Bh	00h	FFh	Composite, S-Video
31		Brightness	33h	00h	FFh	
32		Color-S	78h	00h	FFh	S-Video
33		----------	--	--	--	
34		Tint	FFh	80h	7Fh	
35		Sharpness	0Fh	00h	1Fh	0Fh=9415add.5Dh:78h
36	Sub Menu PC	Contrast	61h	00h	FFh	
37		Brightness	32h	00h	FFh	
38		Color	80h	00h	FFh	
39		Tint	00h	80h	7Fh	
40		Sharpness	40h	00h	FFh	
41	Sub Menu AV-D2-D4	Contrast	5Bh	00h	FFh	D2–4 Input
42		Brightness	32h	00h	FFh	
43		Color	80h	00h	FFh	
44		Tint	FAh	80h	7Fh	
45		Sharpness	40h	00h	FFh	
46	Sub Menu AV-D1	Contrast	6Dh	00h	FFh	D1 Input (480i)
47		Brightness	33h	00h	FFh	
48		Color	C0h	00h	FFh	
49		Tint	00h	80h	7Fh	
50		Sharpness	0Ch	00h	1Fh	0Fh=9415add.5Dh:78h
51	Color Temp H-AV	Red	DCh	00h	FFh	AV Color Temperature (High)
52		Green	F0h	00h	FFh	
53		Blue	FFh	00h	FFh	
54	Color Temp M-AV	Red	FFh	00h	FFh	AV Color Temperature (STD)
55		Green	FFh	00h	FFh	

- All data except in gray box area is fixed. Do not change for correct operating.
- Data in gray box area is initial. Can be set according to adjustment information.

No.	Adjustment Name	Adjustment Item	Initial Data	Data Area		Note
				Min	Max	
56		Blue	FFh	00h	FFh	
57	Color Temp L-AV	Red	FFh	00h	FFh	AV Color Temperature (Low)
58		Green	EBh	00h	FFh	
59		Blue	CDh	00h	FFh	
60	Color Temp H-PC	Red	DCh	00h	FFh	PC Color Temperature (High)
61		Green	F0h	00h	FFh	
62		Blue	FFh	00h	FFh	
63	Color Temp M-PC	Red	FFh	00h	FFh	PC Color Temperature (STD)
64		Green	FFh	00h	FFh	
65		Blue	FFh	00h	FFh	
66	Color Temp L-PC	Red	FFh	00h	FFh	PC Color Temperature (Low)
67		Green	EBh	00h	FFh	
68		Blue	CDh	00h	FFh	
69	Cont AV	Red	FFh	00h	FFh	White Balance Adjustment
70		Green	FFh	00h	FFh	
71		Blue	FFh	00h	FFh	
72	Bright AV	Red	80h	00h	FFh	Black Balance Adjustment
73		Green	80h	00h	FFh	
74		Blue	80h	00h	FFh	
75	Cont PC	Red	00h	00h	FFh	W/B (Differential Data to AV)
76		Green	00h	00h	FFh	
77		Blue	00h	00h	FFh	
78	Bright PC	Red	00h	00h	FFh	B/B (Differential Data to AV)
79		Green	00h	00h	FFh	
80		Blue	00h	00h	FFh	
81	Cont PC	Red	00h	00h	FFh	W/B (Differential Data to AV)
82		Green	00h	00h	FFh	
83		Blue	00h	00h	FFh	
84	Bright PC	Red	00h	00h	FFh	B/B (Differential Data to AV)
85		Green	00h	00h	FFh	
86		Blue	00h	00h	FFh	
87	Cont-AV-D1	Red	FEh	00h	FFh	W/B (Differential Data to AV)
88		Green	00h	00h	FFh	
89		Blue	00h	00h	FFh	
90	Bright-AV-D1	Red	00h	00h	FFh	B/B (Differential Data to AV)
91		Green	00h	00h	FFh	
92		Blue	00h	00h	FFh	
93	Sharpness-AV50	Sharpness	10	0	–	Filter
94	Sharpness-AV60	Sharpness	6	0	–	Filter
95	Sharpness-PC	Sharpness	0	0	–	Filter
96	Sharpness-HD	Sharpness	10	0	–	Filter
97	Snd-Sep	Snd Sep	3Fh	0	3Fh	Sound Separation
98	AFC Tuning-TV	ABh	21Ch	000h	FFFh	
99		ACh	218h	000h	FFFh	
100	AFC Tuning-Video50	ABh	21Ch	000h	FFFh	
101		ACh	21Ch	000h	FFFh	
102	AFC Tuning-Video60	ABh	21Ch	000h	FFFh	
103		ACh	21Ch	000h	FFFh	
104	AFC Tuning-Video	BEh	06h	00h	FFh	
105	AFC Tuning-D1	ABh	298h	000h	FFFh	
106		ACh	5D1h	000h	FFFh	
107	AFC Tuning-525i	ABh	298h	000h	FFFh	
108		ACh	5D1h	000h	FFFh	
109	Color System		Auto			Auto/NTSC only
110	Wide Squeeze		Off			Off/On
111	Display Language		English			English/Japanese
112	PDP COLOR8	PDP				Internal Pattern Display (Δ Key)
113	PDP WHITE	PDP				Internal Pattern Display (Δ Key)

■ Setting the fixed data

This adjustment is controlled by the CPU (IC801) thorough the IIC Data Bus Line in the chassis, and those adjustment data are memorized into the memory IC (IC808). Therefore, SUB CPU Board or the memory IC (IC808) is replaced, data of those will be disappeared. Readjustment should be made. Initial data is provided in the CPU ROM ,when memory IC (IC808) is replaced with new one, CPU ROM data is loaded into the memory. (Data list will be shown in previous 2 pages.) Initial data is provided to operating the monitor basically. For operating the monitor quality performance, further adjustment required following chassis electrical adjustment.

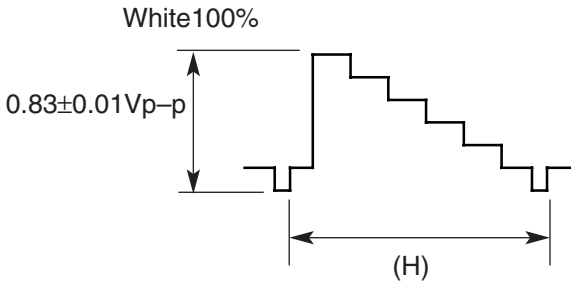
(1) Receive the good quality signal.
(2) Enter the Service Mode
(3) Confirm fixed data to be same as data table. If it is different, change to correct data.
(4) Return to the Normal Mode

■ Circuit Adjustment

● Input Signal : 1.0Vp-p / 75Ω terminated

■ Y-Level Adjustment

Pattern : Color Bar Pattern
Equipment : Oscilloscope
Connection: TPY – Ground (Main Unit)
Adjustment: To be 1±0.1Vp-p by VR7001 in Main Unit.



■ White Balance Adjustment

Pattern : White Pattern
Condition : Screen Size : FULL, Picture Image Level : NATURAL
Adjustment : Enter the service mode, select item No. 69 [Red], 70 [Green] or 71 [Blue] (Cont AV), and adjust a proper white balance.
Note : After adjustment, confirm white balance again by normal picture.

■ Circuit Block Diagram

■ Video

Signal Flow

(1) CVBS, Y/C

CVBS (Composite Video) or Y/C signal from AV1, AV2 or AV3 terminal is input to AV SW IC (IC1001) and selected signal.

CVBS signal selected by IC1001 is input to 3 Dimension Y/C Separation IC (IC7101) and input to IC1001 again. (In case of NTSC Signal) On the other hand it is input to Digital Decoder IC (IC401) and output for Monitor Out signal (CVBS only).

(2) RGB, Component

RGB or Component signal from AV4 terminal is output for “Through Out” terminal and input to RGB / Component SW IC (IC1123) and selected to D-SUB RGB signal. Selected signal by IC1123 is input to IC1124.

(3) Decoder, I/P Conversion

CVBS or Y/C signal from IC1001 or Component signal (480i) from IC1124 is input to Digital Decoder IC (IC401). Component signal from IC401 is input to I/P (interlace / Progressive) Conversion IC (IC501).

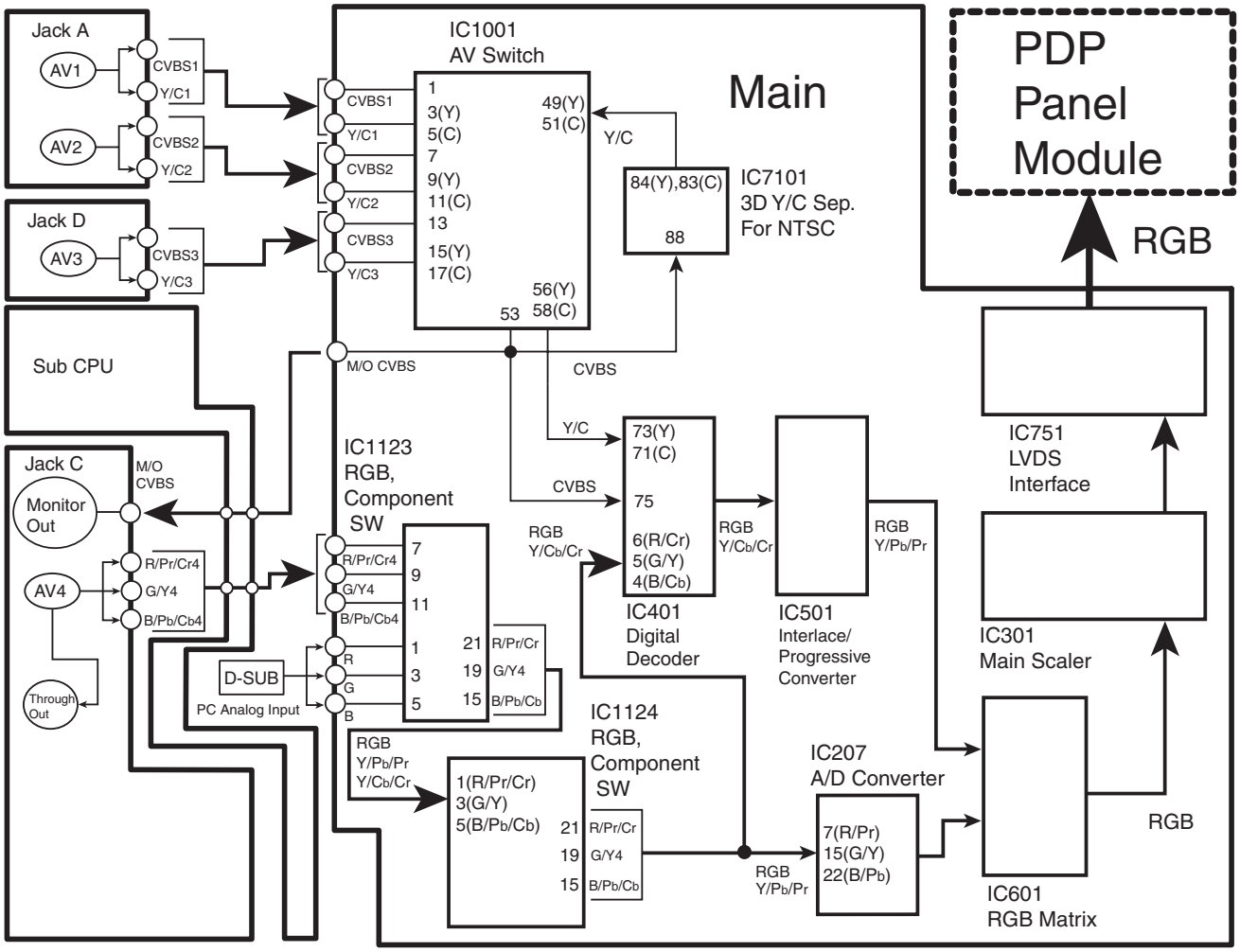
(4) A/D Conversion

RGB (or Progressive Component) signal from IC1124 is input A/D Conversion IC (IC207) and converted.

(5) Panel Drive

Signal from IC501 or IC207 is input to RGB Matrix IC (IC601) and proceeded for picture control.

Signal from IC601 is input to Main Scaler IC (IC301) and LVDS Interface IC (IC751) and input to PDP Panel Module.



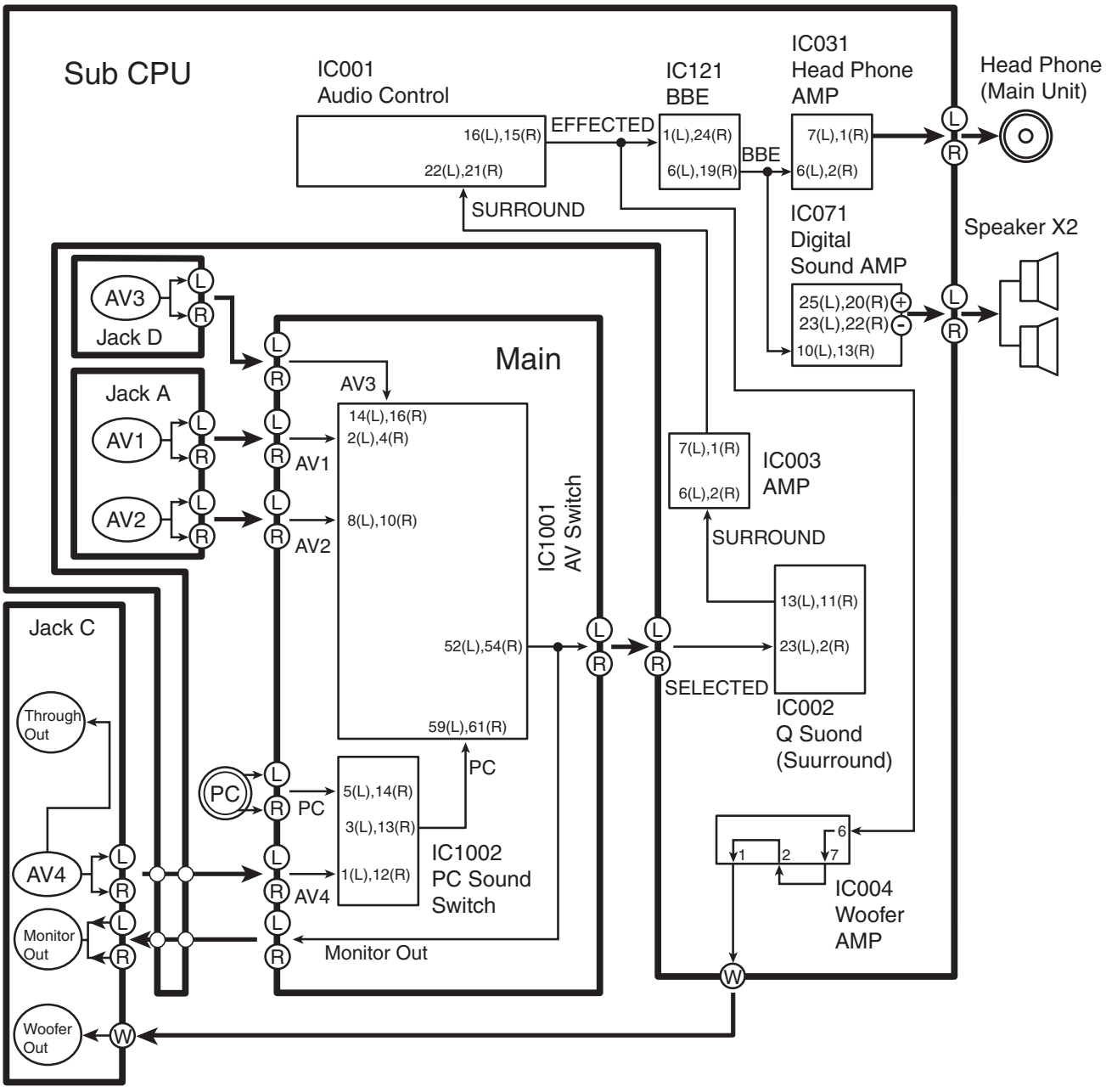
■ Audio

Signal Flow

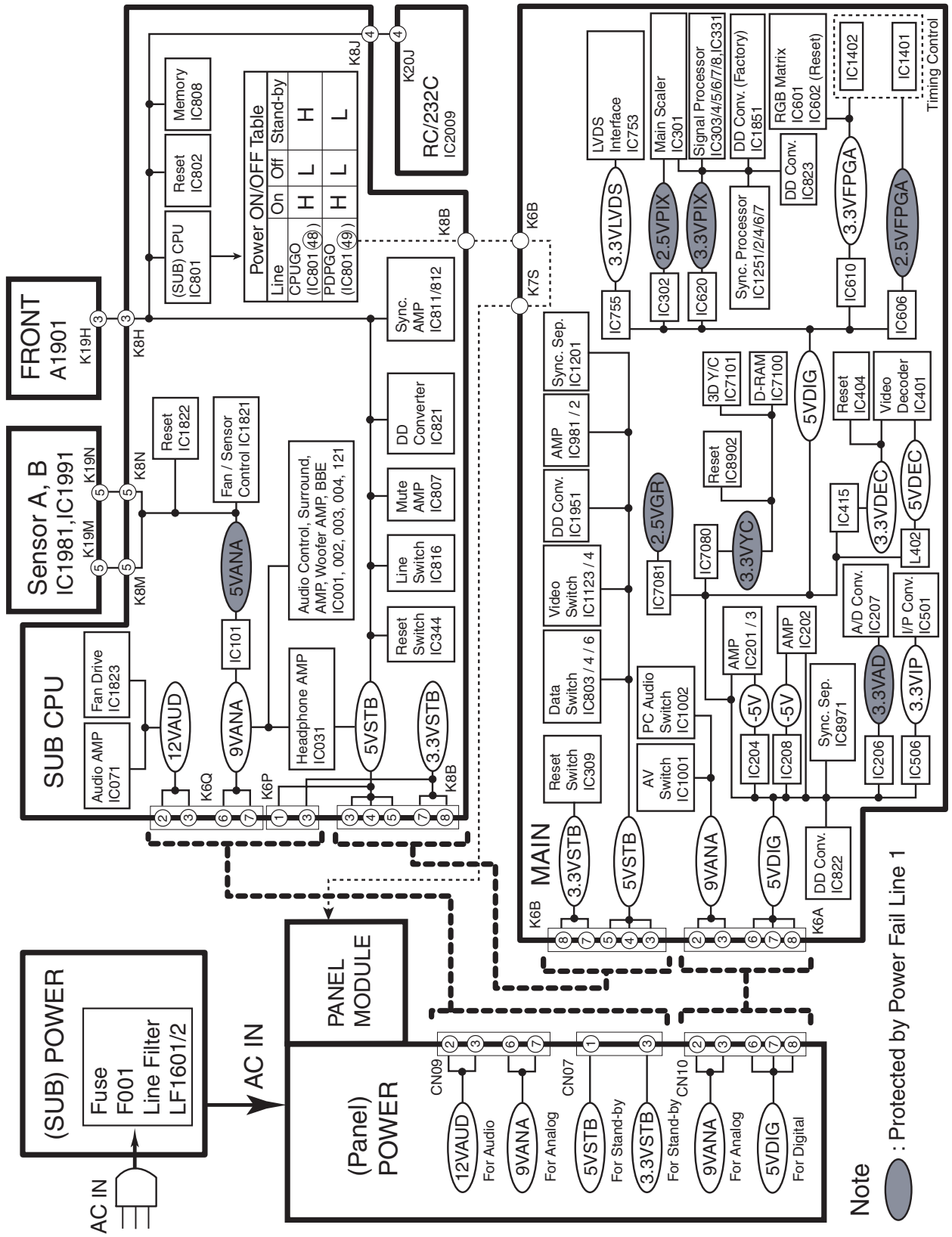
Sound signals (L & R) from AV1, AV2 or AV3 are input to AV SW IC (IC1001) and selected.
Sound signals from AV4 terminal are output for “Through Out” terminal.
Sound signals from D-SUB or AV4 are input to IC1001 after selected by SW IC (IC1002) .
The selected signals by IC1001 are output to Monitor Out and also input to below ICs.

Q-Sound IC (IC002) ➔ AMP IC (IC003) ➔ Audio Control IC (IC001) ➔ BBE IC (IC121)

Finally signals from IC121 are input to Digital AMP IC (IC071) for speakers and AMP IC (IC031) for Head Phone.
Note: Sound signals from IC001 is input Woofer AMP IC (IC004) too.



■ Power Supply Lines



[NOTE]

Refer to next page for Power Fail Circuit

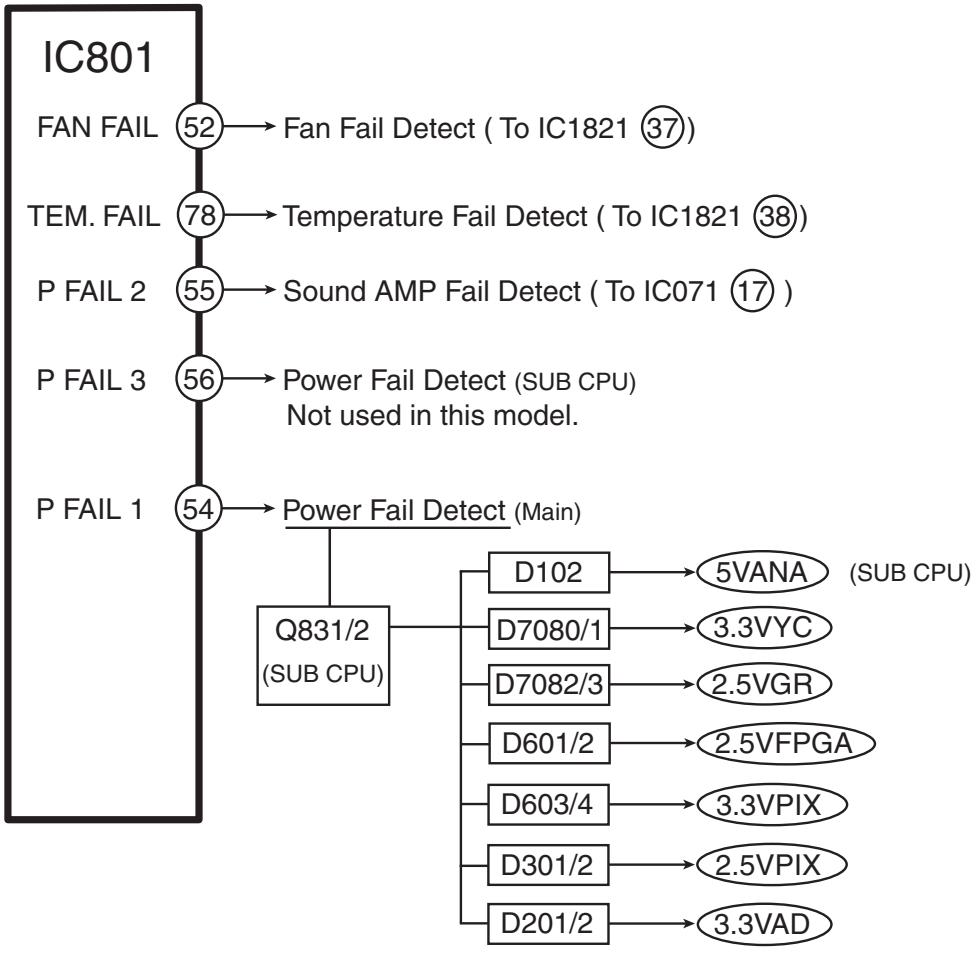
■ Power Fail Circuit

CPU (IC801) is programmed that the set goes to standby mode when there is circuit fail as below.

1. AUDIO AMP FAIL(2) : Detected the fail of Audio AMP IC (IC071)
2. POWER FAIL (3) : Detected the voltage fail in SUB CPU Unit **(Not used in this model.)**
3. POWER FAIL (1) : Detected the voltage fail in SUB CPU Unit (1 point) and Main Unit (6 points).
4. OTHERS

TEMPERATURE FAIL : Detected the temperature fail (about 80 degree) by thermal sensor IC (IC1981). CPU communicates to FAN & Sensor Control IC (IC1821) for detection.

FAN FAIL : Detected the fan fail by the communication to FAN & Sensor Control IC (IC1821). (The set does not go to standby mode in this fail. Display Only.)



When operating the Power Fail Circuit, On-Screen-Display message or LED flashing time is shown as below.

On-Screen-Display Message

1. FAN FAIL

When the cooling fan is trouble, below message is displayed. This message is displayed for 10 seconds in every 10 minutes.

> Warning!
> Internal fan is trouble, not working properly.

2. TEMPERATURE FAIL

When the internal temperature exceeds normal (approximately more than 80 degrees), below message is displayed for 10 seconds and the Plasma monitor will be turned off automatically.

> Warning!
> Internal temperature is too high.

LED Flashing

1. TEMPERATURE FAIL : The color of LED is 'RED'.

Time of flashing	Fail Name
2	Temperature

2. POWER FAIL : The color of LED is 'GREEN'.

Time of flashing	Fail Number
1	P FAIL 1
2	P FAIL 3
3	P FAIL 1 & 3

3. SOUND AMP FAIL : The color of LED is 'YELLOW'.

Time of flashing	Fail Number
1	P FAIL 2

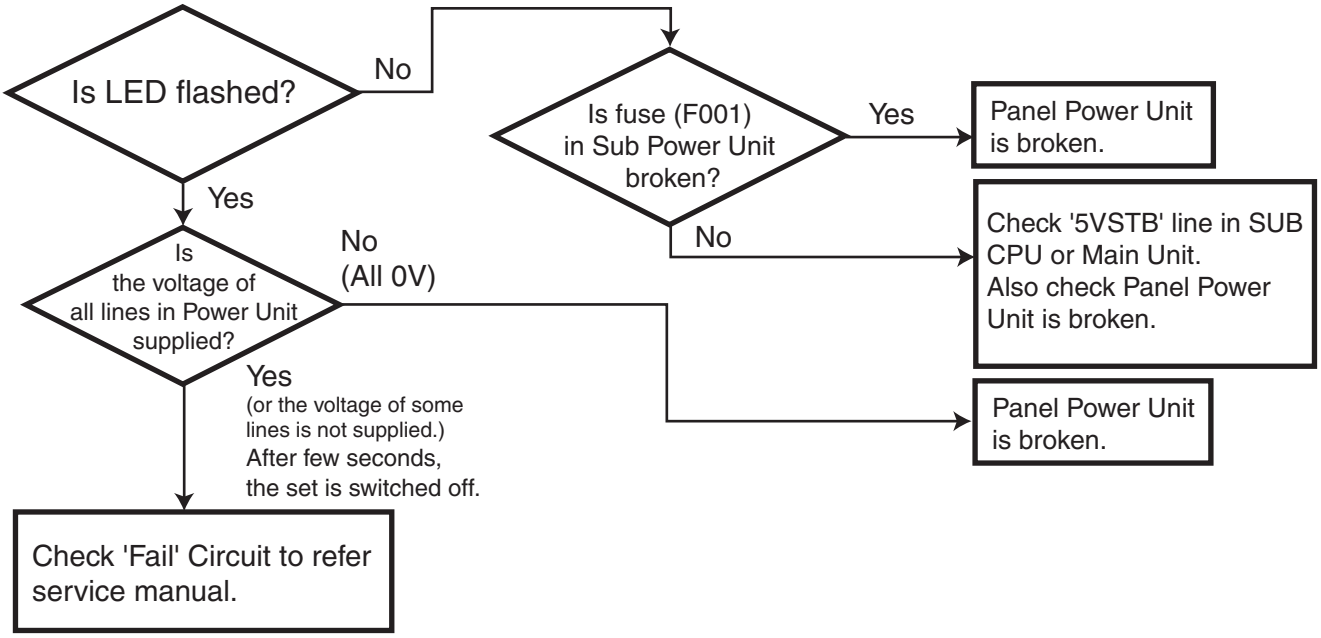
Note:

1. In case of overlapped fail, 1 to 3 is repeated in turn.
2. If power fail is detected 3 times in 15 minutes, the monitor will stop operating.
3. If pull the AC cord, the information of these fails will be disappeared.

■ Troubleshooting

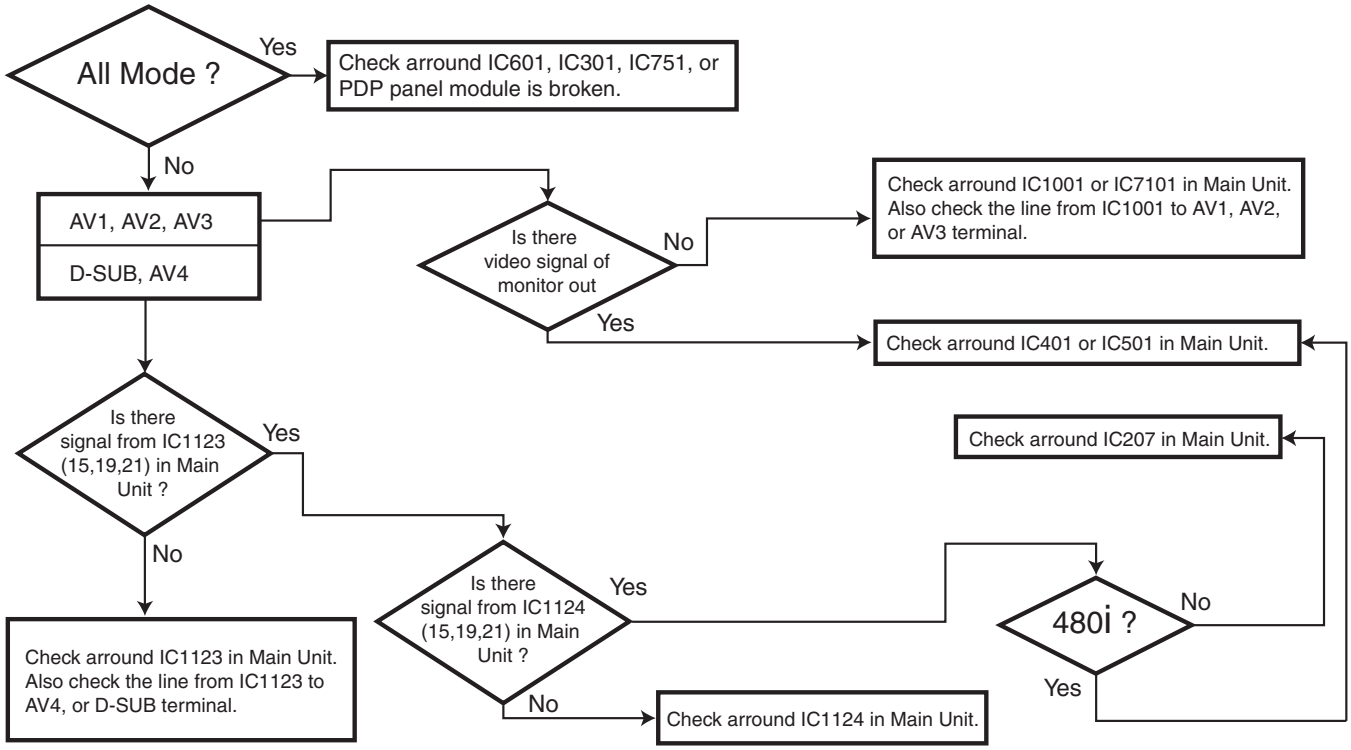
No Power

Refer to Schematic Diagram or Power Supply Line, find out the part of trouble.
In advance check the AC cord and power SW to be on.


Is LED flashed?
No
Is fuse (F001) in Sub Power Unit broken?
Yes
Panel Power Unit is broken.
No
Check '5VSTB' line in SUB CPU or Main Unit. Also check Panel Power Unit is broken.
Yes
Is the voltage of all lines in Power Unit supplied?
No (All 0V)
Panel Power Unit is broken.
Yes
(or the voltage of some lines is not supplied.)
After few seconds, the set is switched off.
Check 'Fail' Circuit to refer service manual.

No Picture

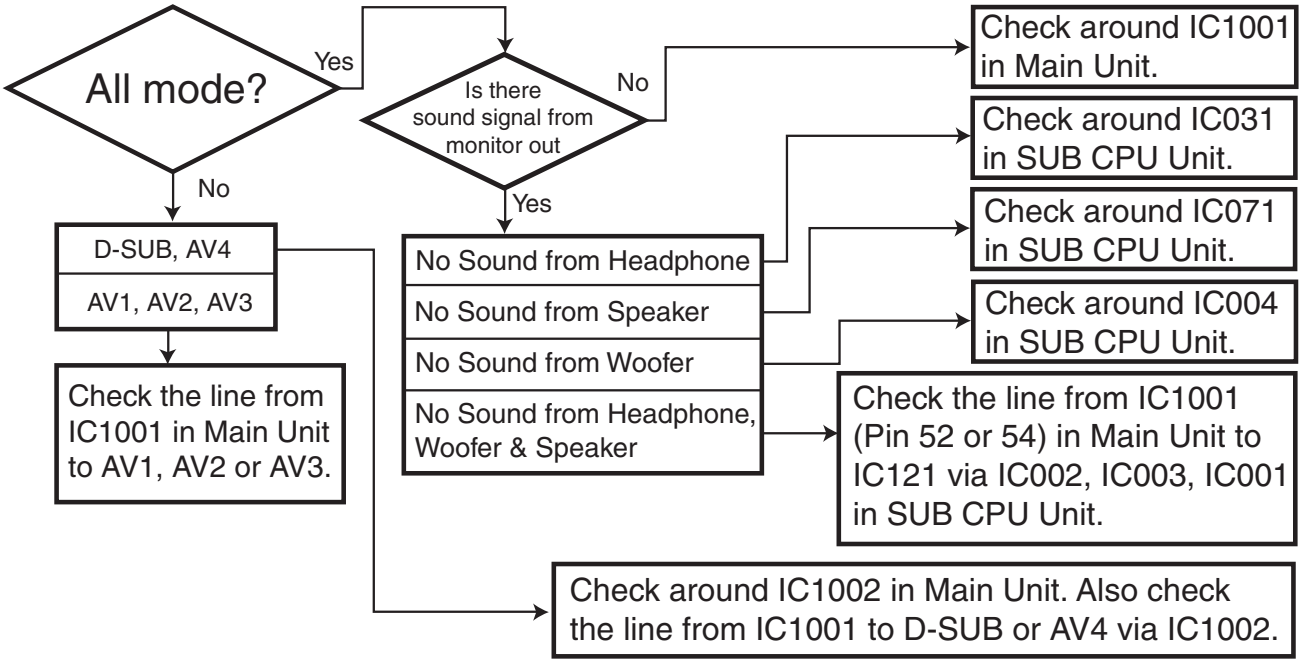
Refer to Schematic Diagram or Chassis Block Diagram, find out the part of trouble.
In advance check the setting mode according to Instruction Manual.


All Mode ?
Yes
Check arround IC601, IC301, IC751, or PDP panel module is broken.
No
AV1, AV2, AV3
D-SUB, AV4
Is there video signal of monitor out
No
Check arround IC1001 or IC7101 in Main Unit. Also check the line from IC1001 to AV1, AV2, or AV3 terminal.
Yes
Check arround IC401 or IC501 in Main Unit.
Is there signal from IC1123 (15,19,21) in Main Unit ?
Yes
Check arround IC207 in Main Unit.
No
Check arround IC1123 in Main Unit. Also check the line from IC1123 to AV4, or D-SUB terminal.
Is there signal from IC1124 (15,19,21) in Main Unit ?
Yes
480i ?
No
Yes
No
Check arround IC1124 in Main Unit.

No Sound

Refer to Schematic Diagram or Chassis Block Diagram, find out the part of trouble.

In advance check the setting mode according to Instruction Manual.


All mode?
Yes
No
Is there sound signal from monitor out
No
Yes
Check around IC1001 in Main Unit.
Check around IC031 in SUB CPU Unit.
Check around IC071 in SUB CPU Unit.
Check around IC004 in SUB CPU Unit.
D-SUB, AV4
AV1, AV2, AV3
Check the line from IC1001 in Main Unit to AV1, AV2 or AV3.
No Sound from Headphone
No Sound from Speaker
No Sound from Woofer
No Sound from Headphone, Woofer & Speaker
Check the line from IC1001 (Pin 52 or 54) in Main Unit to IC121 via IC002, IC003, IC001 in SUB CPU Unit.
Check around IC1002 in Main Unit. Also check the line from IC1001 to D-SUB or AV4 via IC1002.

■ Control Port Functions

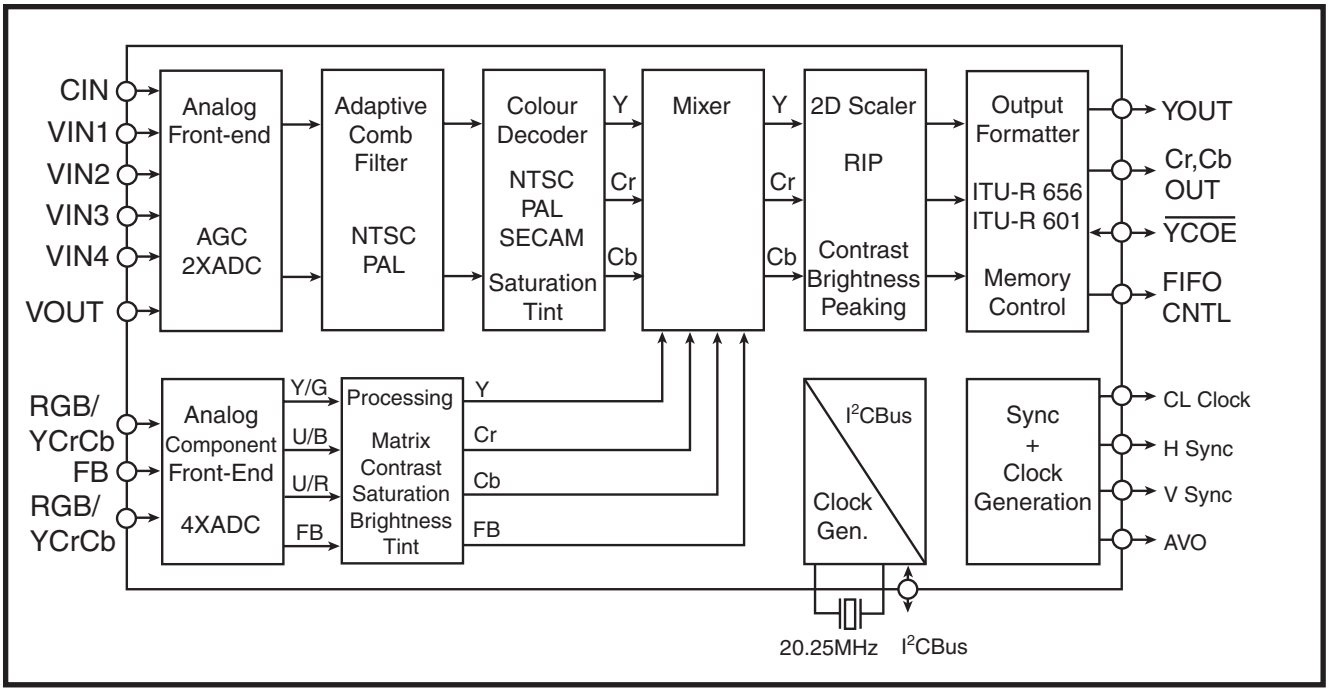
● System Control (CPU : IC801)

Pin	Name	Function	I/O	Description	Note
pin 1	PA3/WR	F-CLK	I	CLOCK for Flash Writing	
pin 2	PA4/RD	F-DATA	I	DATA for Flash Writing	
pin 3	PA5/RS	F-ENABLE	I	ENABLE for Flash Writing	Pull-Up
pin 4	P70/INT0	CHIP SEL	I	CHIP SELECT (Communication to PIXEL)	Pull-Up
pin 5	P71/INT1	V-SYNC	I	V-SYNC Input (PC/NTSC) NTSC: Positive	PC:Depending on input
pin 6	P72/INT2	H-SYNC	I	H-SYNC Input (PC/NTSC) NTSC: Positive	PC:Depending on input
pin 7	P73/INT3	RC	I	Remote Control Input	
pin 8	RES	RESET	I	RESET Input Normal : H Reset : L	
pin 9	XT1	XT1	I	XT1	
pin10	XT2	XT2	I	XT2	
pin11	VSS1	VSS1		GND	
pin12	CF1	CF1	I	CF1	
pin13	CF2	CF2	I	CF2	
pin14	VDD1	VDD1		+5V	
pin15	P80/AN0	KEY-IN	I	Key Input	
pin16	P81/AN1	LINE1/AV1S2	I	DTV Mode : LINE1 / AV1 Aspect Ratio	
pin17	P82/AN2	LINE2/AV2S2	I	DTV Mode : LINE2 / AV2 Aspect Ratio	
pin18	P83/AN3	LINE3/AV3S2	I	DTV Mode : LINE3 / AV3 Aspect Ratio	
pin19	P84/AN4			N.C.	
pin20	P85/AN5			N.C.	
pin21	P86/AN6			N.C.	
pin22	P87/AN7	SENSOR	I	SENSOR Input :0 – 5V AD Input	Pull-Up (Not Used)
pin23	P30	BUS/OPEN	I	Open IIC, Write to EEPROM, Open=L	Pull-Up
pin24	P31	Q SOUND	O	Q–Sound ON/OFF	Pull-Up
pin25	P32	GIJI ST	O	Pseudo Stereo ON/OFF	Pull-Up
pin26	P33	BBE	O	BBEMachBASS IC CTL BBE ON/OFF	Pull-Up
pin27	P34	MachBASS	O	BBEMachBASS IC CTL Mach3Bass ON/OFF	Pull-Up
pin28	P10/SO0	DATA OUT	O	DATA OUT (Communication to PIXEL)	Pull-Up
pin29	P11/SI0	DATA IN	I	DATA IN (Communication to PIXEL)	Pull-Up
pin30	P12/SCK0	CLK	I	CLOCK (Communication to PIXEL)	Pull-Up
pin31	P13/SO1	RX SUB	O	RS-232C	
pin32	P14/SI1	TX SUB	I	RS-232C	
pin33	P15/SCK1			N.C. (Not Used)	
pin34	P16/T1PWML	DPMS	O	DPMS	
pin35	P17/T1PWMH	AMP MUTE	O	AMP Mute = H	
pin36	SI2P0/SO2	PHONE	I	Head Phone Control	
pin37	SI2P1/SI2			N.C. (Not Used)	
pin38	SI2P2/SCK2			N.C. (Not Used)	
pin39	SI2P3/SCK2			N.C. (Not Used)	
pin40	PWM1		O	N.C. (Not Used)	
pin41	PWM0		O	N.C. (Not Used)	
pin42	VDD2	VDD2		+5V	
pin43	VSS2	VSS2		GND	
pin44	P00	YELLOW	O	LED (Yellow) Output ON = H, OFF = L	(Not Used)
pin45	P01	GREEN	O	LED (Green) Output ON = H, OFF = L	

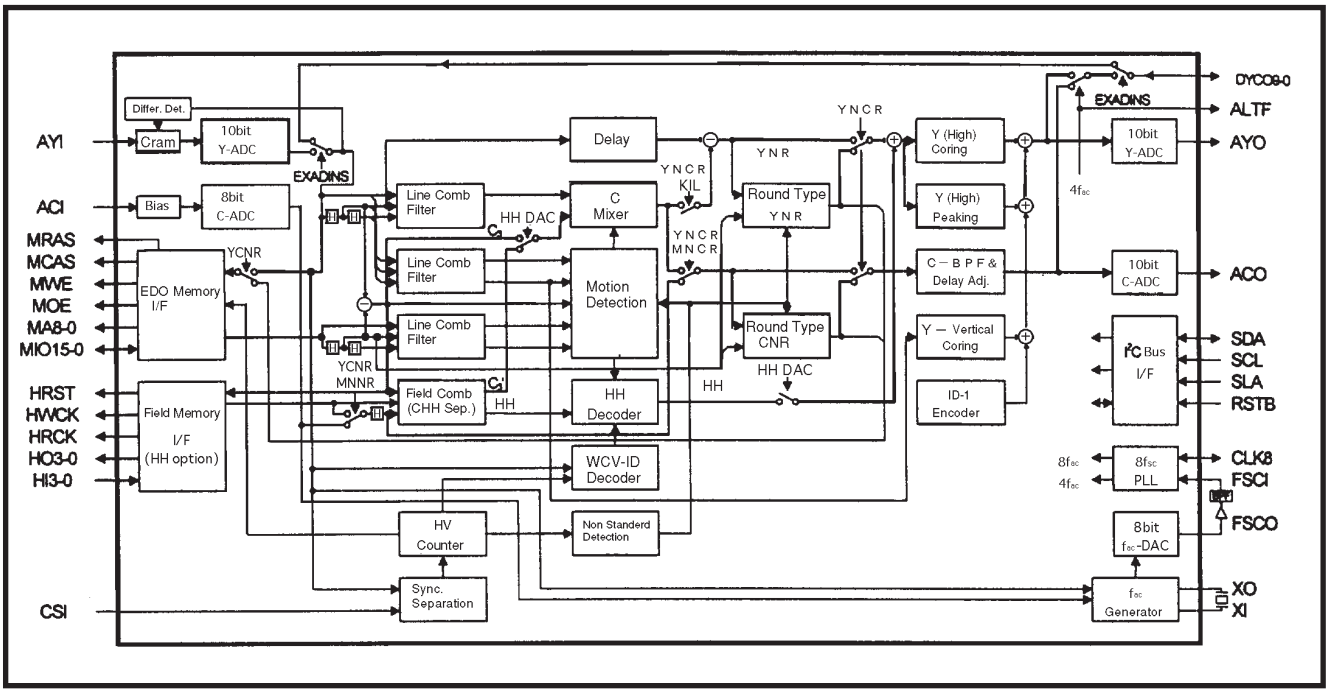
Pin	Name	Function	I/O	Description	Note
pin46	P02	RED	O	LED (Red) Output ON = H, OFF = L	
pin47	P03			N.C. (Not Used)	
pin48	P04	POWER-1	O	Power Control CPU-GO	
pin49	P05	POWER-2	O	Power Control PDP-GO	
pin50	P06	SWA	O	PC1/PC2(BNC)Audio SW PC1=H, PC2=L	
pin51	P07	SWB	O	PC1/PC2(BNC)Audio SW PC1=L, PC2=L	
pin52	P20/INT4	FANFAIL	I	FUN / Panel Temperature Det. Normal = L	Pull-Up
pin53	P21/INT4	IRQ	I	Panel Condition Normal = L	
pin54	P22/INT4	P-FAIL1	I	Power Fail 1 Normal = H	Pull-Up (Inside)
pin55	P23/INT4	P-FAIL2	I	Power Fail 2 Normal = L	Pull-Up (Inside)
pin56	P24/INT5	P-FAIL3	I	Power Fail 3 Normal = H	Pull-Up (Inside)
pin57	P25/INT5	P-FAIL4	I		(Not Used)
pin58	P26/INT5	PWRSW	I	Main SW ON/OFF	
pin59	P27/INT5	AV4/5	O	AV Switching CTL Line Signal	AV4/AV5 SW
pin60	PB7/D7	S2/D4	O	AV Switching CTL For Aspect Ratio	AV1/AV2/AV3 SW
pin61	PB6/D6			N.C. (Not Used)	
pin62	PB5/D5	PCSW1	O	PC Switching1 CTL	
pin63	PB4/D4	PCSW2	O	PC Switching2 CTL	
pin64	PB3/D3	PCSW3	O	PC Switching3 CTL	
pin65	PB2/D2	PCSW4	O	PC Switching4 CTL	
pin66	PB1/D1	M MUTE	O	Monitor MUTE	Pull-Up
pin67	PB0/D0		O	N.C. (Not Used)	
pin68	VSS3	VSS3		GND	
pin69	VDD3	VDD3		+5V	
pin70	PC7/A7	BOARD1	I	Port for Board	
pin71	PC6/A6	BOARD2	I	Port for Board	
pin72	PC5/A5	PW RET	O	PIXEL Reset (Low Reset)	Pull-Up
pin73	PC4/A4	PDWN	O	Power Down of LVDS Tx PD=L	Pull-Up
pin74	PC3/A3	IIC SCL	O	AV Switch CTL	
pin75	PC2/A2	IIC SDA	I/O	AV Switch CTL	
pin76	PC1/A1			N.C. (Not Used)	
pin77	PC0/A0			N.C. (Not Used)	
pin78	PA0/CS2	FANLOCK	I	FAN Stop Normal = H	
pin79	PA1/CS1	FAN CTL1	O	Forced FAN Control 1	
pin80	PA2/CS0	FAN CTL2	O	Forced FAN Control 2	

■ IC Block Diagrams

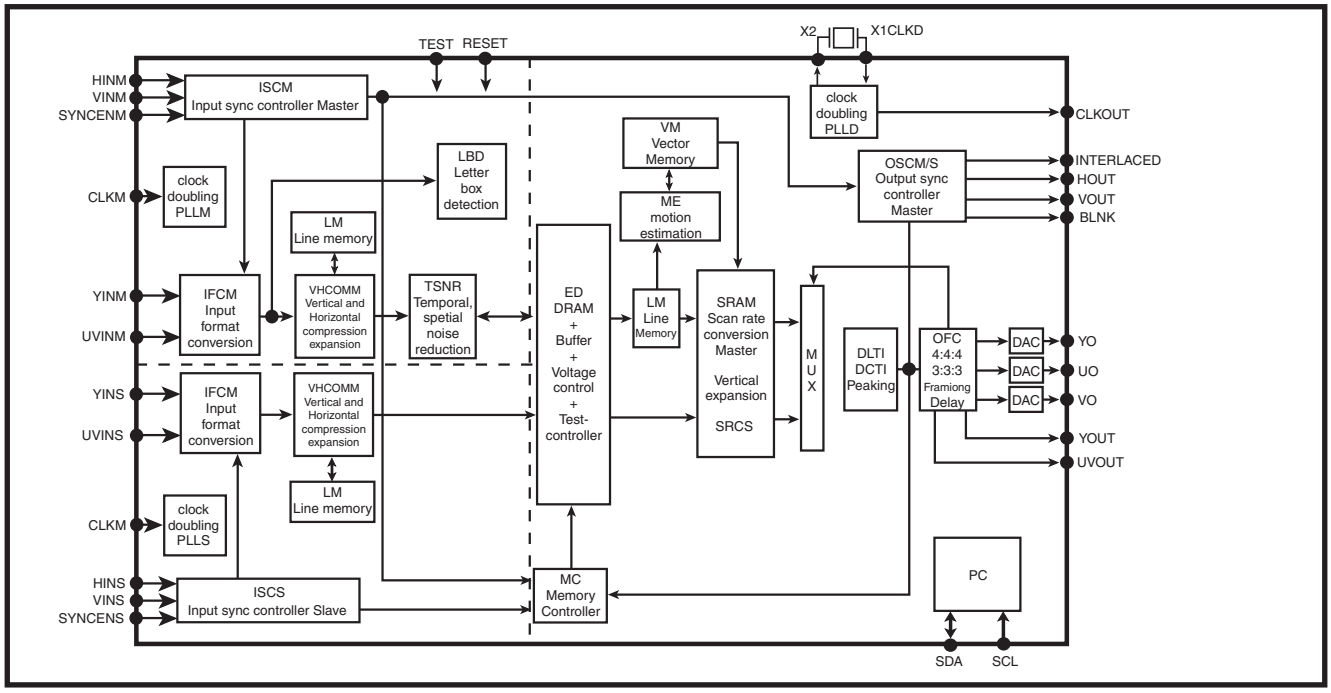
● Digital Decoder (IC401: VPC3230D)



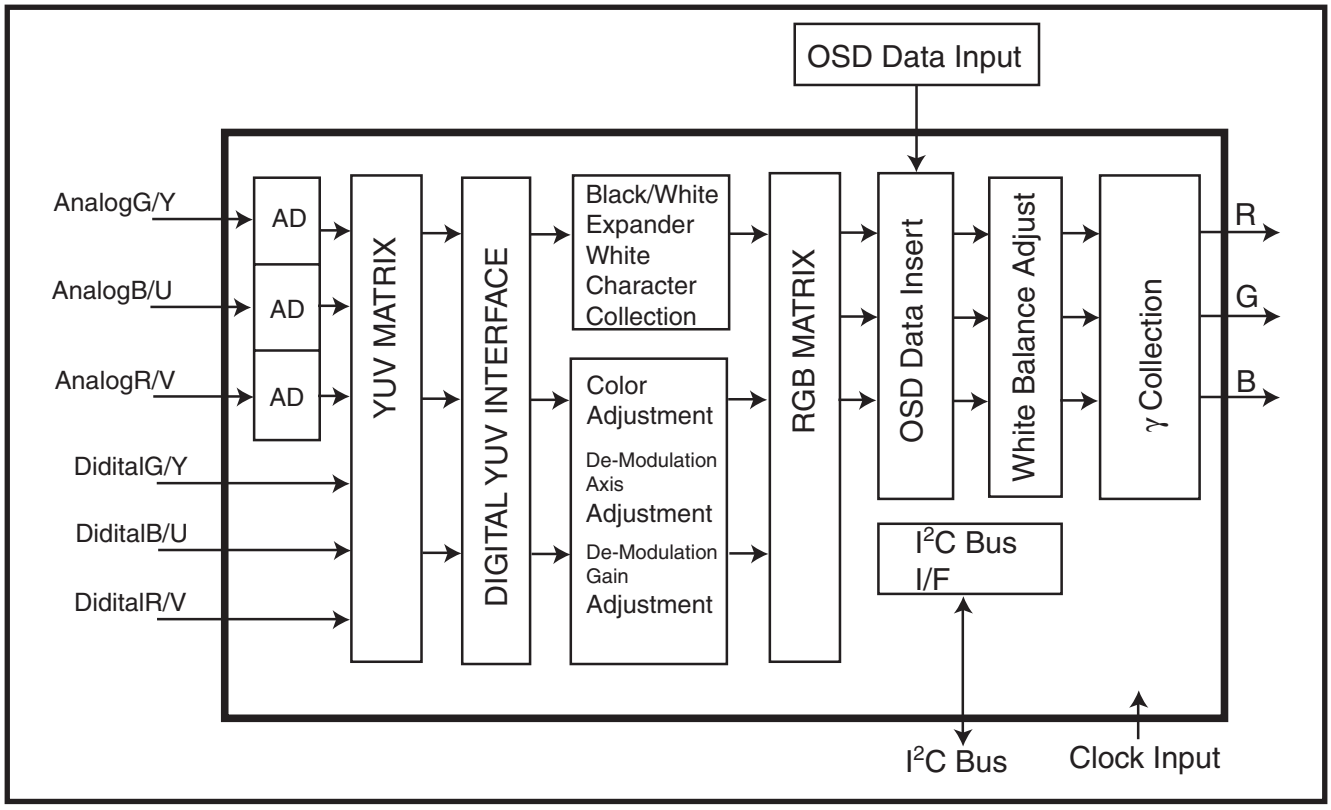
● 3D Y/C Separation / Noise Reduction (IC7101: UPD64082GF)



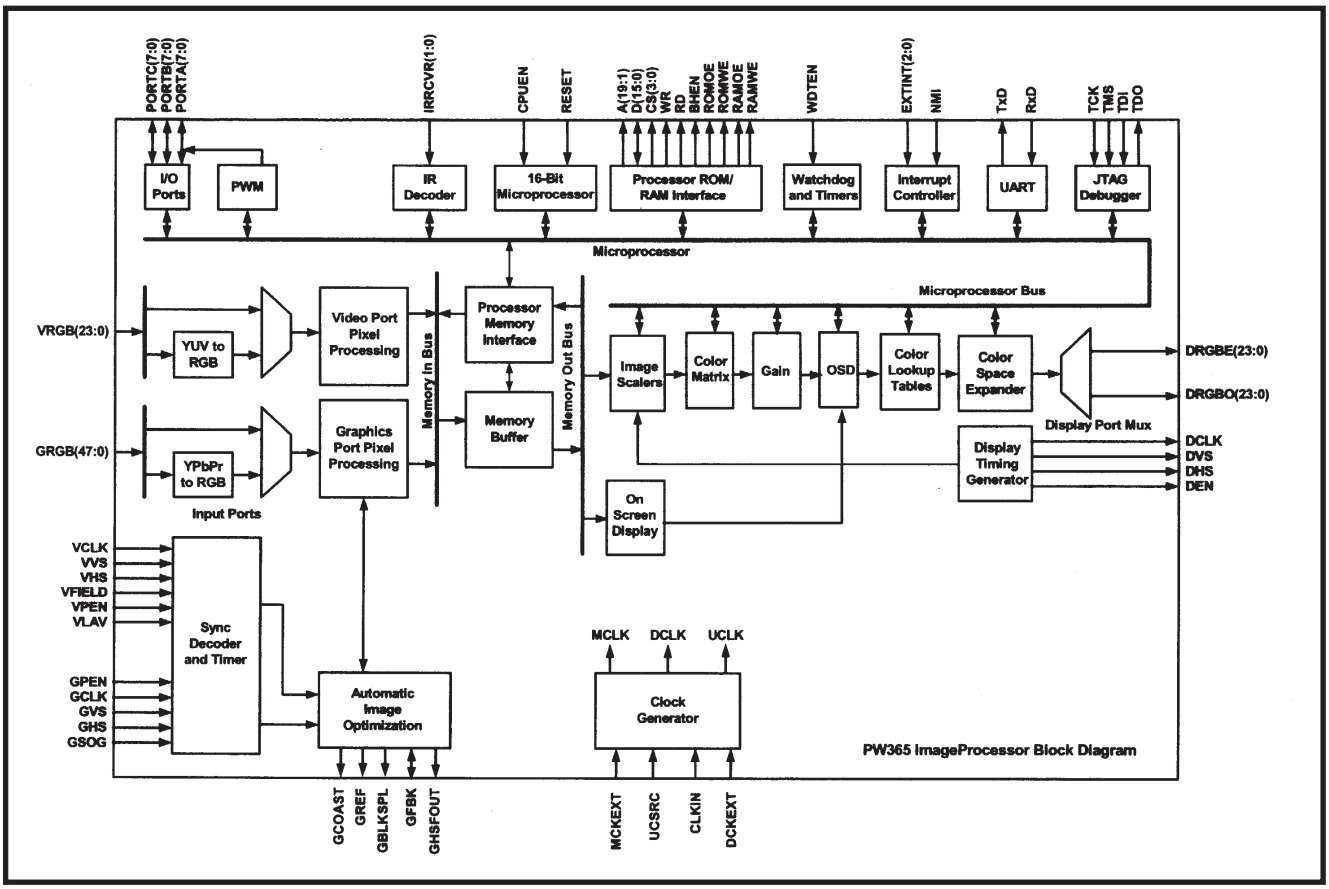
● I / P Converter (IC501: SDA9415)



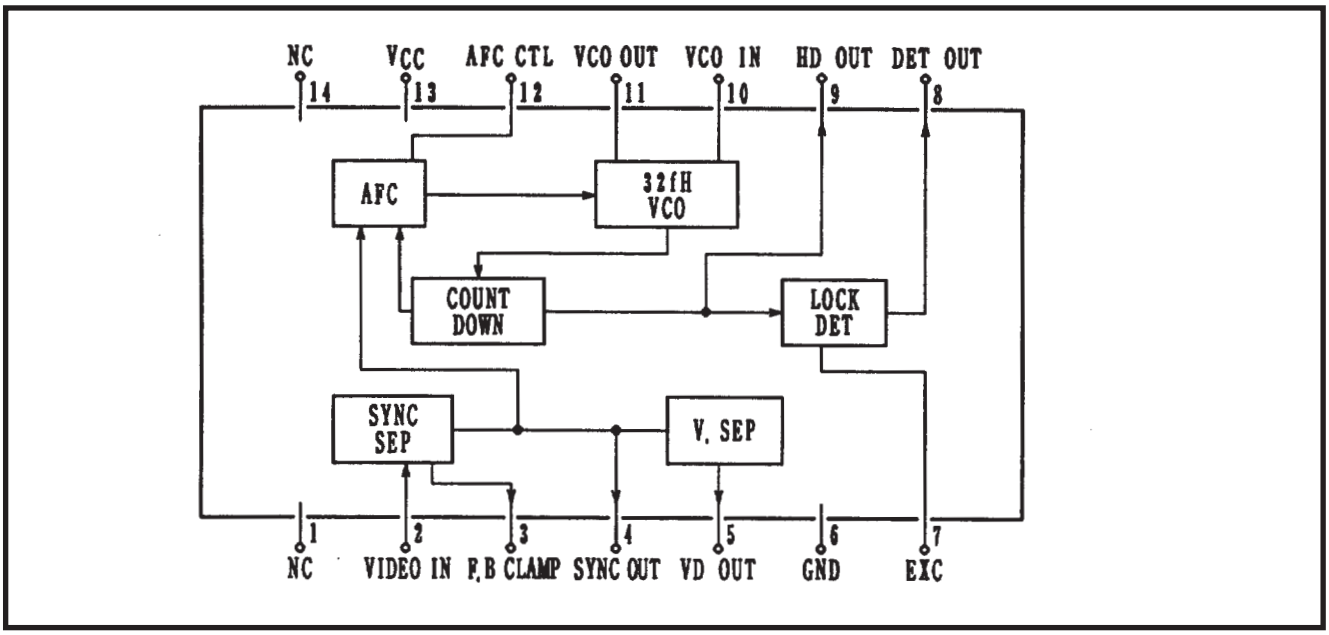
● RGB Matrix (IC601: MN82860)



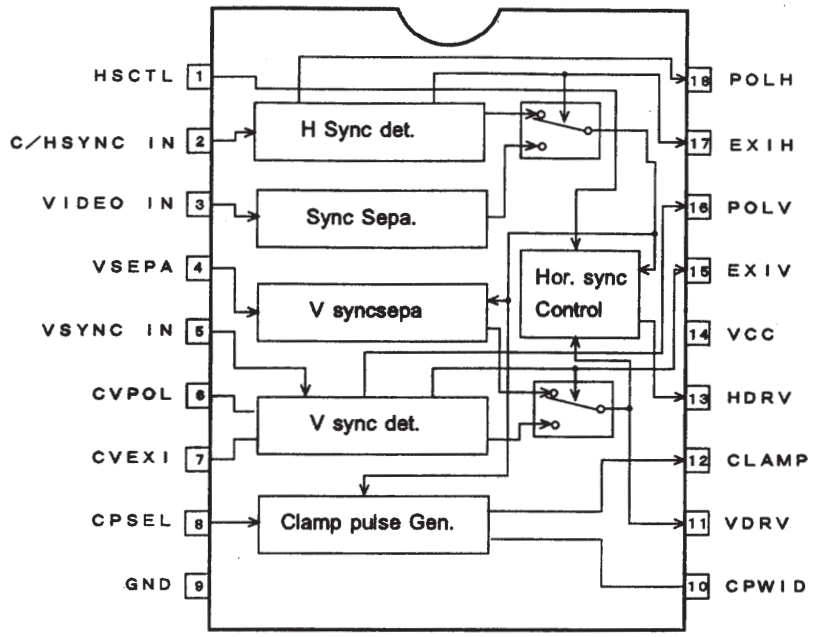
● Main Scaler (IC301: PW365)



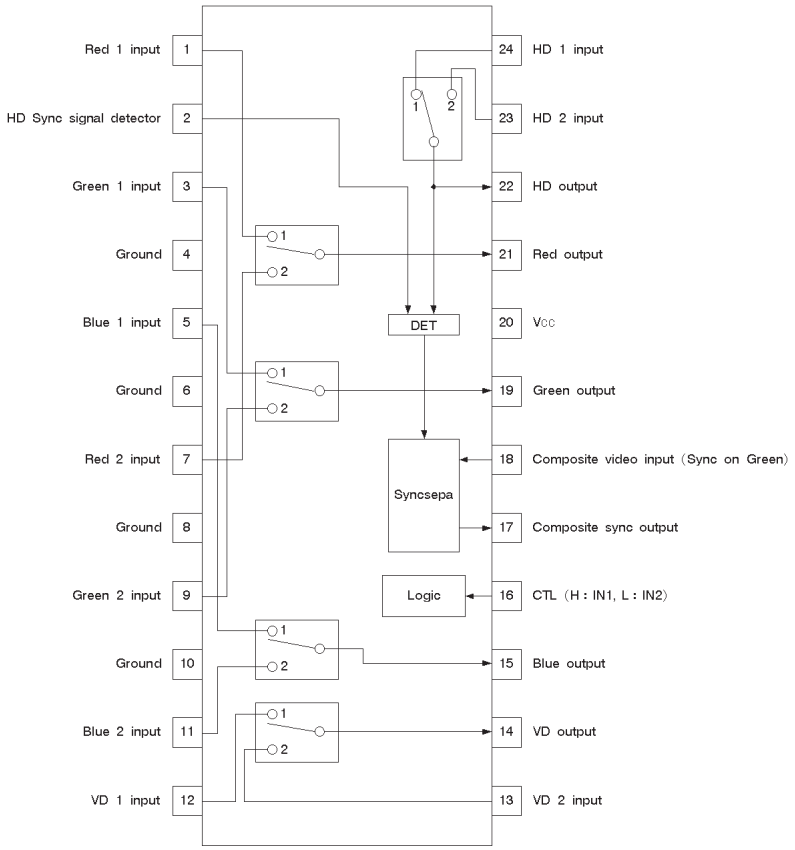
● Sync. Separation (IC8971: LA7217-T-TRM)



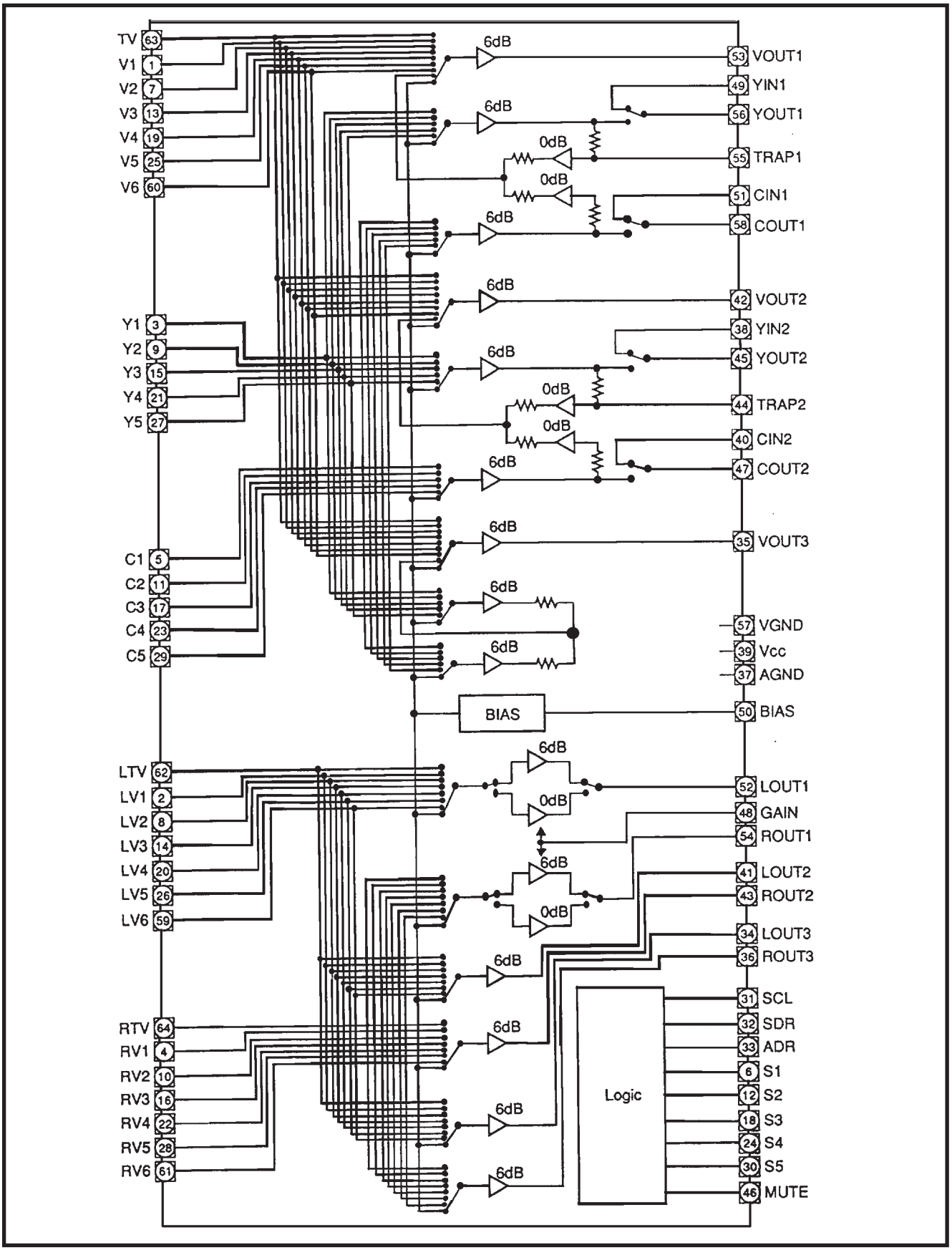
● Sync. Separation (IC1201: BA7078AF)



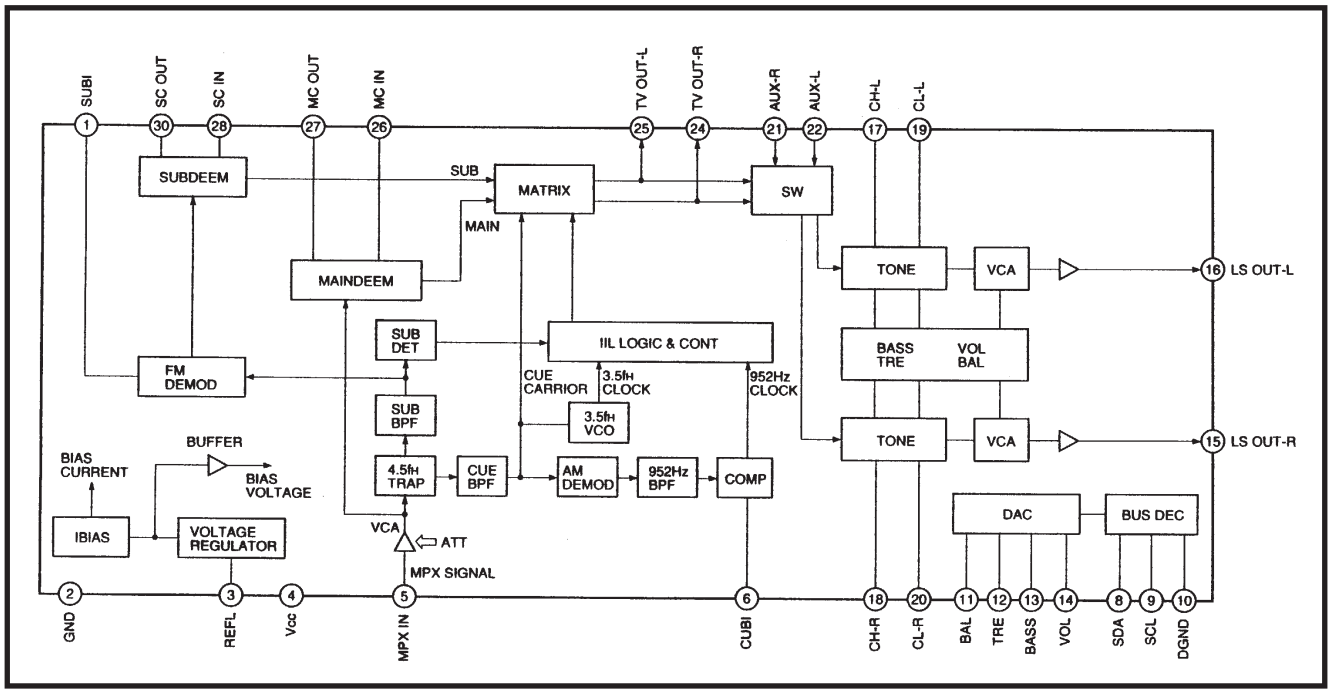
● RGB / Component Switch (IC1123/24: BA7657F)



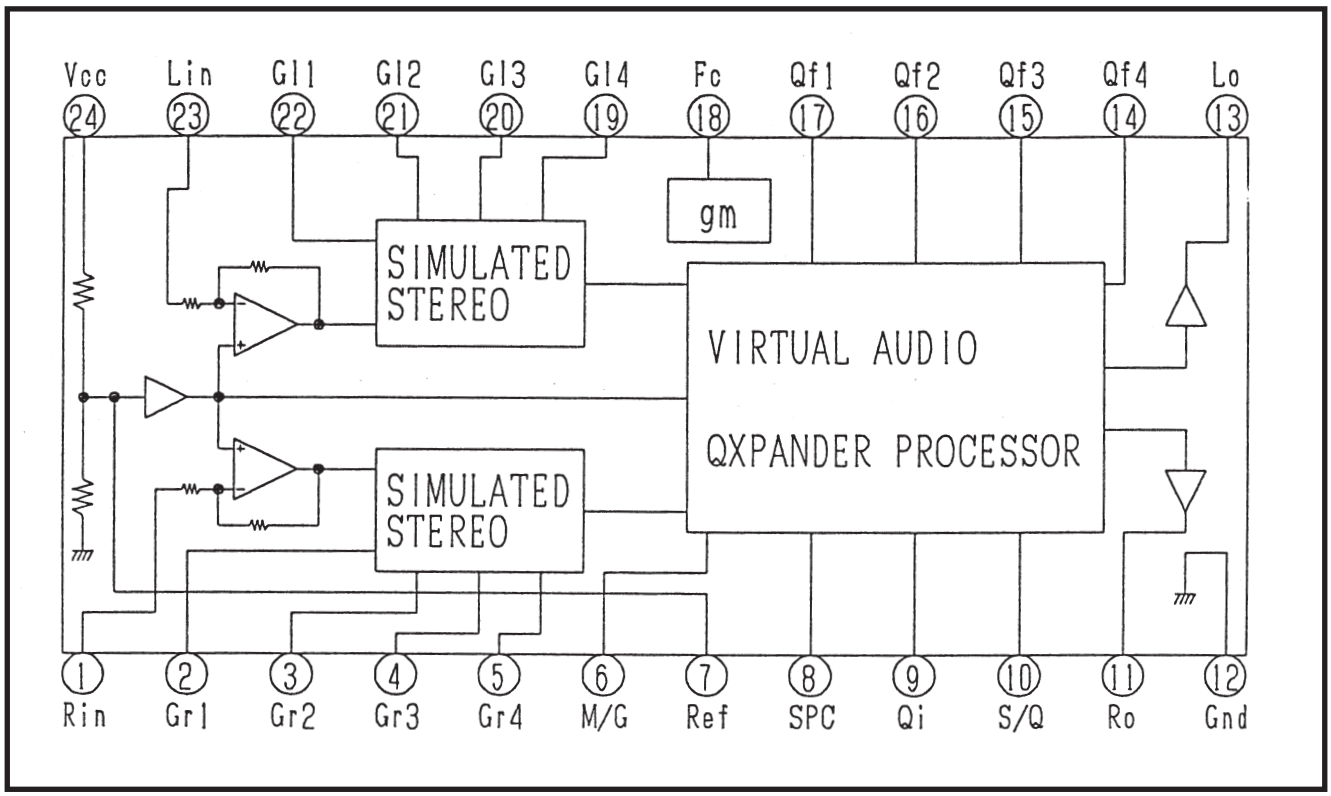
● Audio / Video Switch (IC1001: CXA1845Q)



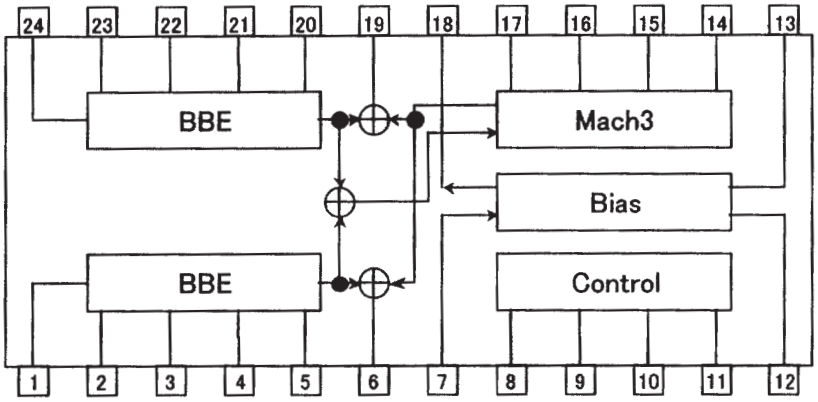
● Audio Control (IC001: CXA2013N)



● Q–Sound (IC002: MM1369BD)

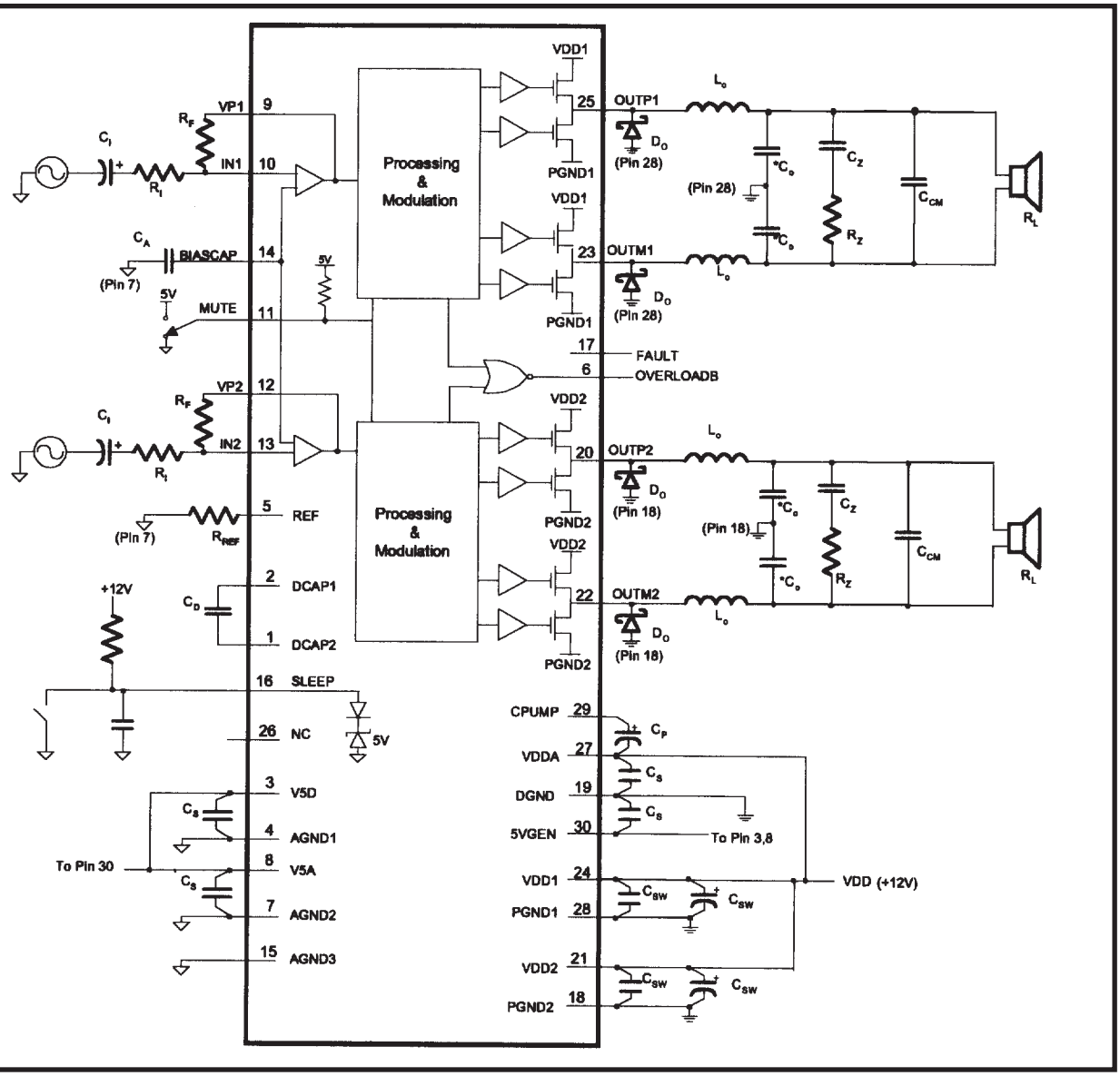


● BBE (IC121: NJM2155M)

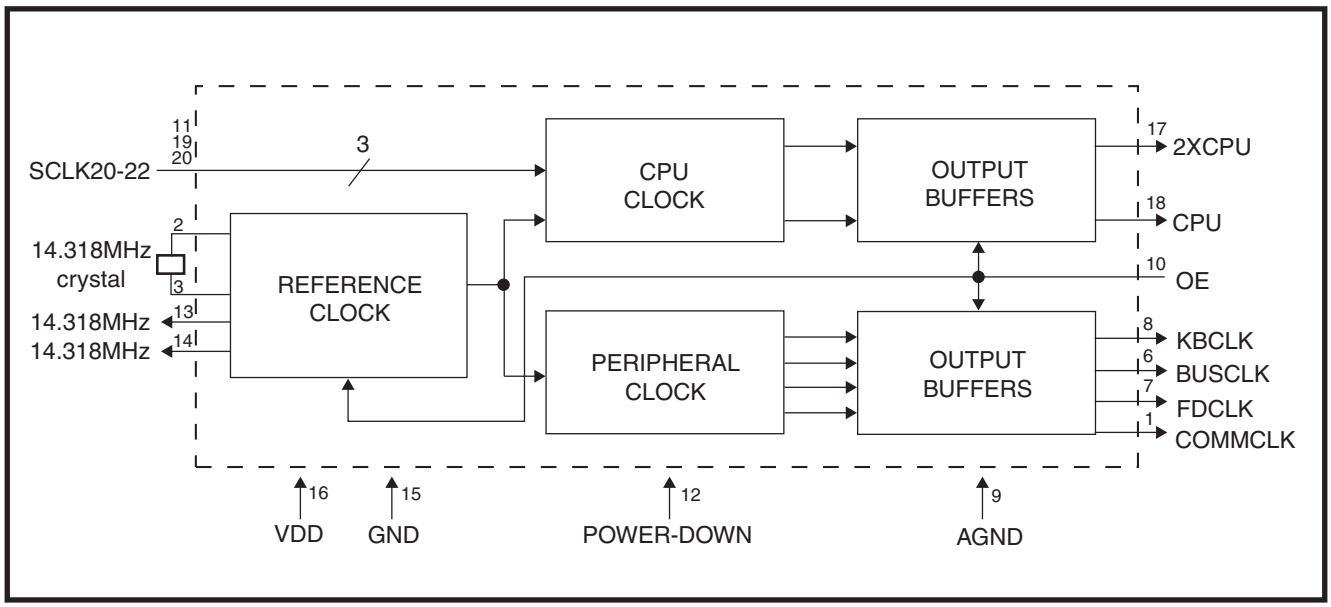


1. InA
2. HInA
3. HOutA
4. LInA
5. LOutA
6. OutA
7. Filter
8. BBE
9. PROCESS
10. LO CONTOUR
11. Mach3
12. V_{CC}
13. GND
14. LPOut
15. LPIn
16. GOut
17. GIn
18. Vref
19. OutB
20. LOutB
21. LInB
22. HOutB
23. HInB
24. InB

● Digital AMP (IC071: TA1101B)

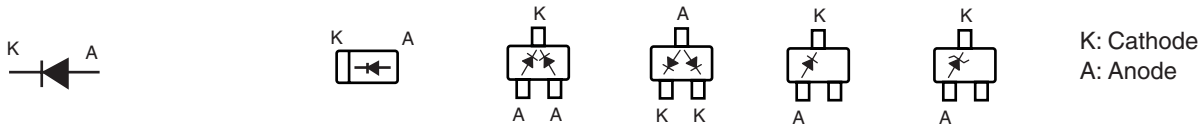


● Clock Generator (IC303: AV9155C)

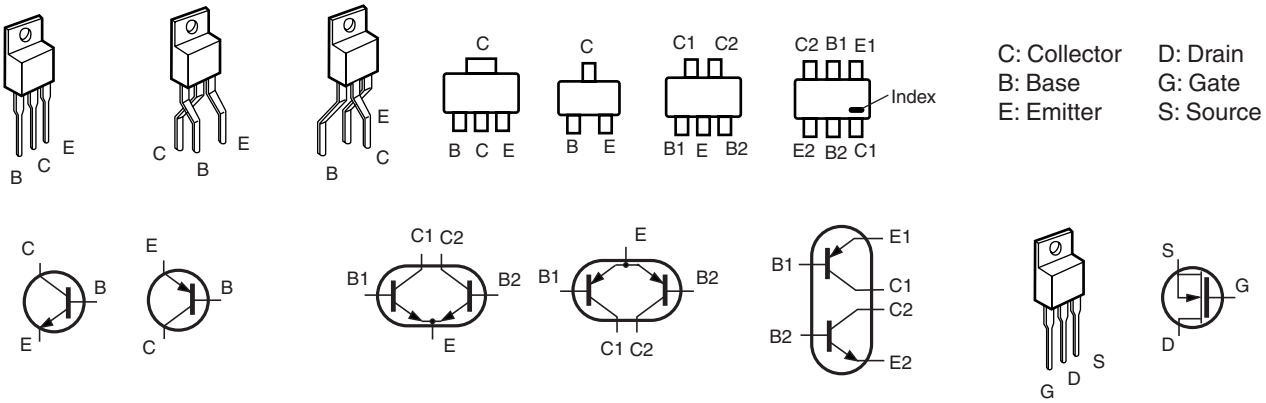


■ Pin Description of Diode, Transistor and IC

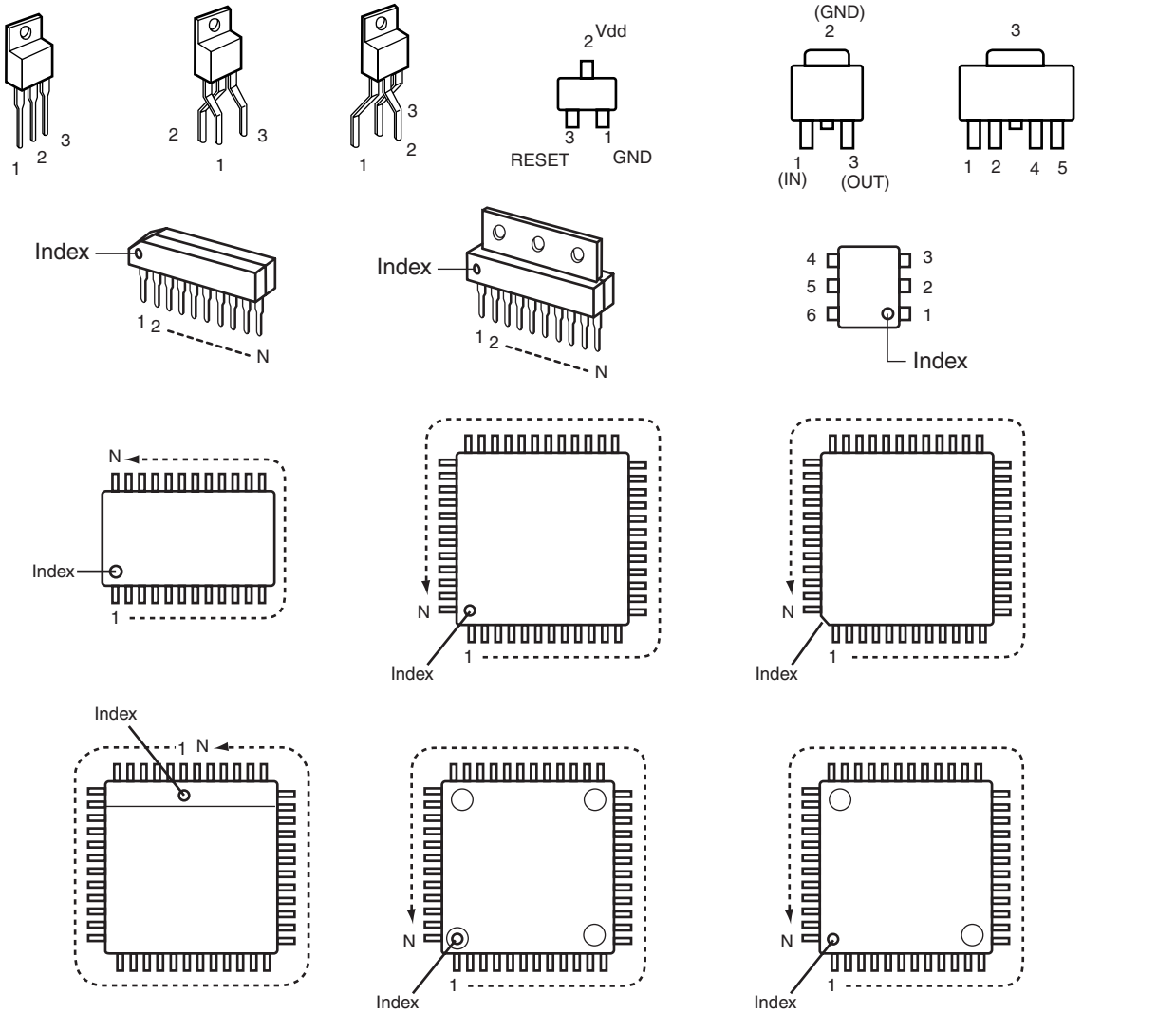
● Diode



● Transistor/FET



● IC



■ Parts List

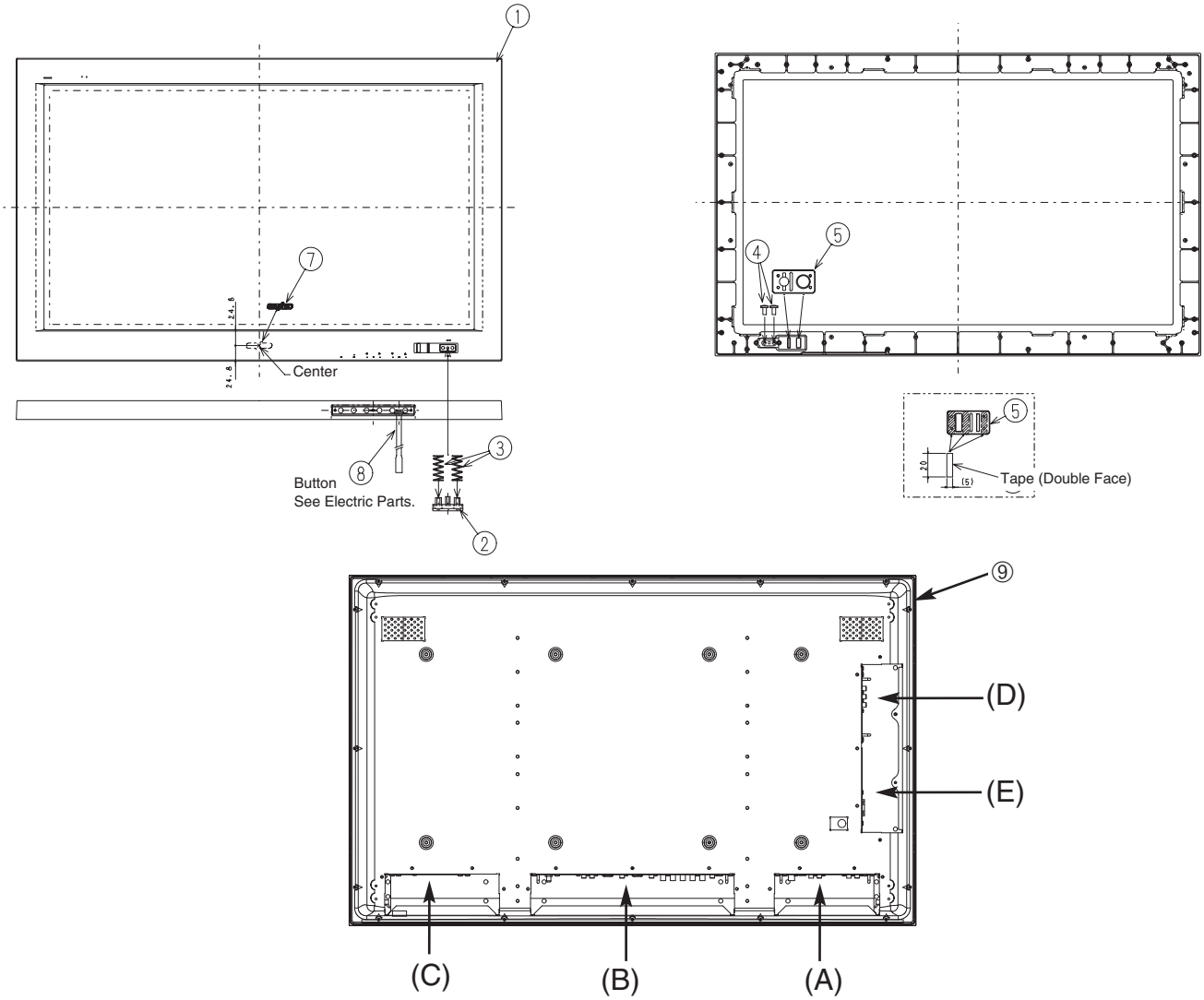


Fig. No.	Part No.	Description
MECHANICAL PARTS		
9	610 295 4869	ASSY,CABINET BACK-J3BA
2	610 291 7987	BUTTON POWER-J3DA
1	610 297 1125	CABINET FRONT-J3BL
5	610 291 8021	DEC IND-J3DA
(A)	610 297 1132	DEC SHEET L J3BL
(B)	610 295 8775	DEC SHEET MID J3BL
(C)	610 295 8768	DEC SHEET R J3BK
(D)	610 298 4484	DEC SHEET SIDE UP J3BL
(E)	610 298 4477	DEC SHEET SIDE BTM J3BK
3	610 295 8553	SPRING-J3DA
7	645 049 9203	BADGE,SANYO*53.5X12L53.5
4	411 076 3404	SCR TPG BRZ+FLG 3X6

Part No.	Description
ACCESSORY	
645 049 5359	ASSY,REMOCON SXTG
610 296 3243	RC-BATTERY LID-SXTG
645 046 9206	ADAPTOR,BNC/RCA
or 645 036 5447	ADAPTOR,BNC/RCA
or 645 030 7324	ADAPTOR,BNC/RCA
645 051 2322	RC CABLE,FXAF
645 020 3640	CORE,FERRITE
645 044 3367	CORE,CLAMP
⚠ 645 003 4022	CORD,POWER-3.0MK (UL)
⚠ 645 011 6131	CORD,POWER-3.0MK (EU)
⚠ 645 011 6148	CORD,POWER-3.0MK (UK)
INSTRUCTIONS MANUAL	
610 297 1217	MANUAL-J3BL (English)
610 299 0294	MANUAL-J3BL-D (Germany)
610 299 0300	MANUAL-J3BL-F (French)
610 299 0317	MANUAL-J3BL-I (Italian)
610 299 0324	MANUAL-J3BL-E (Spanish)

Product safety should be considered when a component replacement is made in any area of a PDP monior. Components indicated by a ⚠ mark in this parts list and the circuit diagram show components whose value have special significance to product safety. It is particularly recommended that only parts specified on the following parts list be used for components replacement pointed out by the mark.

● Read Description in the parts list

CAPACITOR CERAMIC 100P K 50V

Rated Voltage

Tolerance Symbols:

Less than 10pF

A : Not specified	B : ±0.1pF	C : ±0.25pF
D : ±0.5pF	E : +0 -1pF	F : ±1PF
G : ±2pF	H : +0.1 -0pF	L : +0 -0.1pF
R : ±0.25 -0pF	S : +0-0.25pF	

More than 10pF

A : Not specified	B : ±0.1%	C : ±0.25%
D : ±0.5%	F : ±1%	G : ±2%
H : ±3%	J : ±5%	K : ±10%
L : ±15%	M : ±20%	N : ±30%
P : +100-0%	Q : +30-10%	T : +50-10%
U : +75-10%	V : +20-10%	W : +100-10%
X : +40-20%	Y : +150-10%	Z : +80-20%

Rated value: P=pico farad, U=micro farad

Material:

- CERAMIC..... Ceramic
- MT-PAPER..... Metallized Paper
- POLYESTER..... Polyester
- MT-POLYEST.....Metallized Polyester
- POLYPRO..... Polypropylene
- MT-POLYPRO.... Metallized Polypropylene
- COMPO FILM..... Composite film
- MT-COMPO.....Metallized Composite
- STYRENE.....Styrene
- TA-SOLID..... Tantalum Oxide Solid Electrolytic
- AL-SOLID..... Aluminium Solid Electrolytic
- ELECT..... Aluminum Foil Electrolytic
- NP-ELECT..... Non-polarised Electrolytic
- OS-SOLID..... Aluminium Solid with Organic Semiconductive Electrolytic
- POS-SOLID..... Polymerized Organic Semiconductive
- DL-ELECT..... Double Layered Electrolytic
- PPS-FILM.....Polyphenylene Sulfide Film
- MT-PPS-FILM.....Metalized Polyphenylene Sulfide Film
- MT-PEN-FILM.....Metalized Polyethylenenaphthalate Film
- CAPACITOR.....Other

RESISTOR CARBON 4.7K J A 1/4W

Rated Wattage

Performance Symbols:
A: General B: Non flammable Z: Low noise
Other: Temperature coefficient

T: ±10ppm/°C	U: ±25ppm/°C	C: ±50ppm/°C
D: ±100ppm/°C	E: ±200ppm/°C	F: ±250ppm/°C
G: ±350ppm/°C	H: ±1000ppm/°C±10%	W: ±1200ppm/°C±10%
Y: ±1400ppm/°C±10%	J: ±2000ppm/°C±10%	K: ±2400ppm/°C±10%
L: ±2700ppm/°C±10%	M: ±3000ppm/°C±10%	N: ±3300ppm/°C±10%
P: ±3600ppm/°C±10%	Q: ±3900ppm/°C±10%	R: ±4200ppm/°C±10%
S: ±4300ppm/°C±10%	V: ±4500ppm/°C±10%	X: ±8000ppm/°C±10%

Tolerance Symbols:

A: ±0.05%	B: ±0.1%	C: ±0.25%	D: ±0.5%
F: ±1%	G: ±2%	J: ±5%	K: ±10%
M: ±20%	P: +5-15%	Z: 0 ohm	

Rated value, ohms:
K: 1,000, M: 1,000,000

Material:

- CARBON..... Carbon
- MT-FILM..... Metal Film
- OXIDE-MT..... Oxide Metal Film
- SOLID..... Composition
- MT-GLAZE..... Metal Glaze
- WIRE WOUND... Wire Wound
- CERAMIC RES.. Ceramic
- FUSIBLE RES.... Fusible
- RESISTOR ..... Other

Key No.	Part No.	Description
OUT OF CIRCUIT BOARD		
⚠ **LF901**	645 030 4200	UNIT,NOISE FILTER
MISCELLANEOUS		
⚠ **EL901**	645 048 4766	PDP MODULE
EL902	645 048 4940	OPTICAL FILTER
⚠ **FN901**	645 049 8671	MOTOR,FAN DC 1.32W
⚠ **FN902**	645 049 8671	MOTOR,FAN DC 1.32W
KSP901	610 225 5317	SPEAKER TERMINAL
KSP902	610 225 5317	SPEAKER TERMINAL
K7S-CN1	610 299 2687	CORD 20P 1.25MM (LVDS CABLE)
M901	610 291 7437	BUTTON-32-J3DA **(Fig. No.8)**
⚠ **U901**	645 053 4225	UNIT,POWER
610 296 9993 ASSY,PWB,MAIN J3BL 1AA0B10N020B0		
TRANSISTOR		
Q1001	405 014 4509	TR 2SC2412K T146 R
	405 014 4608	TR 2SC2412K T146 S
	405 015 8704	TR 2SC2812-L6-TB
	405 015 8902	TR 2SC2812-L7-TB
	405 163 1602	TR 2SC2812N-L6-TB0
	405 163 1701	TR 2SC2812N-L7-TB0
Q1002	405 014 4509	TR 2SC2412K T146 R
	405 014 4608	TR 2SC2412K T146 S
	405 015 8704	TR 2SC2812-L6-TB
	405 015 8902	TR 2SC2812-L7-TB
	405 163 1602	TR 2SC2812N-L6-TB0
	405 163 1701	TR 2SC2812N-L7-TB0
Q1003	405 014 4509	TR 2SC2412K T146 R
	405 014 4608	TR 2SC2412K T146 S
	405 015 8704	TR 2SC2812-L6-TB
	405 015 8902	TR 2SC2812-L7-TB
	405 163 1602	TR 2SC2812N-L6-TB0
	405 163 1701	TR 2SC2812N-L7-TB0
Q1004	405 014 4509	TR 2SC2412K T146 R
	405 014 4608	TR 2SC2412K T146 S
	405 015 8704	TR 2SC2812-L6-TB
	405 015 8902	TR 2SC2812-L7-TB
	405 163 1602	TR 2SC2812N-L6-TB0
	405 163 1701	TR 2SC2812N-L7-TB0
Q1007	405 014 4509	TR 2SC2412K T146 R
	405 014 4608	TR 2SC2412K T146 S
	405 015 8704	TR 2SC2812-L6-TB
	405 015 8902	TR 2SC2812-L7-TB
	405 163 1602	TR 2SC2812N-L6-TB0
	405 163 1701	TR 2SC2812N-L7-TB0
Q1008	405 014 4509	TR 2SC2412K T146 R
	405 014 4608	TR 2SC2412K T146 S
	405 015 8704	TR 2SC2812-L6-TB
	405 015 8902	TR 2SC2812-L7-TB
	405 163 1602	TR 2SC2812N-L6-TB0
	405 163 1701	TR 2SC2812N-L7-TB0
Q1009	405 014 4509	TR 2SC2412K T146 R
	405 014 4608	TR 2SC2412K T146 S
	405 015 8704	TR 2SC2812-L6-TB
	405 015 8902	TR 2SC2812-L7-TB
	405 163 1602	TR 2SC2812N-L6-TB0
	405 163 1701	TR 2SC2812N-L7-TB0
Q1012	405 014 4509	TR 2SC2412K T146 R
	405 014 4608	TR 2SC2412K T146 S
	405 015 8704	TR 2SC2812-L6-TB
	405 015 8902	TR 2SC2812-L7-TB
	405 163 1602	TR 2SC2812N-L6-TB0
	405 163 1701	TR 2SC2812N-L7-TB0
Q1013	405 014 4509	TR 2SC2412K T146 R
	405 014 4608	TR 2SC2412K T146 S
	405 015 8704	TR 2SC2812-L6-TB
	405 015 8902	TR 2SC2812-L7-TB
	405 163 1602	TR 2SC2812N-L6-TB0
	405 163 1701	TR 2SC2812N-L7-TB0
Q1014	405 014 4509	TR 2SC2412K T146 R
	405 014 4608	TR 2SC2412K T146 S
	405 015 8704	TR 2SC2812-L6-TB
	405 015 8902	TR 2SC2812-L7-TB
	405 163 1602	TR 2SC2812N-L6-TB0
	405 163 1701	TR 2SC2812N-L7-TB0
Q1851	405 045 8705	TR 2SK536-TB
Q1852	405 045 8705	TR 2SK536-TB
Q201	405 014 4509	TR 2SC2412K T146 R
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	405 015 8704	TR 2SC2812-L6-TB
	405 015 8902	TR 2SC2812-L7-TB
	405 163 1602	TR 2SC2812N-L6-TB0
	405 163 1701	TR 2SC2812N-L7-TB0
Q202	405 014 4509	TR 2SC2412K T146 R
	405 014 4608	TR 2SC2412K T146 S
	405 015 8704	TR 2SC2812-L6-TB
	405 015 8902	TR 2SC2812-L7-TB
	405 163 1602	TR 2SC2812N-L6-TB0
	405 163 1701	TR 2SC2812N-L7-TB0
Q203	405 014 4509	TR 2SC2412K T146 R
	405 014 4608	TR 2SC2412K T146 S
	405 015 8704	TR 2SC2812-L6-TB
	405 015 8902	TR 2SC2812-L7-TB
	405 163 1602	TR 2SC2812N-L6-TB0
	405 163 1701	TR 2SC2812N-L7-TB0
Q403	405 134 5905	TR 2SA1037AK-T146-R
	405 147 2205	TR 2SA1037AK-S-T146
	405 002 0308	TR 2SA1037K T146 R
	405 002 0407	TR 2SA1037K T146 S
	405 002 6706	TR 2SA1179-M6-TB
	405 002 6904	TR 2SA1179-M7-TB
	405 163 1503	TR 2SA1179N-M6-TB
	405 163 2708	TR 2SA1179N-M7-TB
Q406	405 134 5905	TR 2SA1037AK-T146-R

Key No.	Part No.	Description
	405 147 2205	TR 2SA1037AK-S-T146
	405 002 0308	TR 2SA1037K T146 R
	405 002 0407	TR 2SA1037K T146 S
	405 002 6706	TR 2SA1179-M6-TB
	405 002 6904	TR 2SA1179-M7-TB
	405 163 1503	TR 2SA1179N-M6-TB
	405 163 2708	TR 2SA1179N-M7-TB
Q409	405 134 5905	TR 2SA1037AK-T146-R
	405 147 2205	TR 2SA1037AK-S-T146
	405 002 0308	TR 2SA1037K T146 R
	405 002 0407	TR 2SA1037K T146 S
	405 002 6706	TR 2SA1179-M6-TB
	405 002 6904	TR 2SA1179-M7-TB
	405 163 1503	TR 2SA1179N-M6-TB
	405 163 2708	TR 2SA1179N-M7-TB
Q7007	405 134 5905	TR 2SA1037AK-T146-R
	405 147 2205	TR 2SA1037AK-S-T146
	405 002 0308	TR 2SA1037K T146 R
	405 002 0407	TR 2SA1037K T146 S
	405 002 6706	TR 2SA1179-M6-TB
	405 002 6904	TR 2SA1179-M7-TB
	405 163 1503	TR 2SA1179N-M6-TB
	405 163 2708	TR 2SA1179N-M7-TB
Q7008	405 014 4509	TR 2SC2412K T146 R
	405 014 4608	TR 2SC2412K T146 S
	405 015 8704	TR 2SC2812-L6-TB
	405 015 8902	TR 2SC2812-L7-TB
	405 163 1602	TR 2SC2812N-L6-TB0
	405 163 1701	TR 2SC2812N-L7-TB0
Q7009	405 134 5905	TR 2SA1037AK-T146-R
	405 147 2205	TR 2SA1037AK-S-T146
	405 002 0308	TR 2SA1037K T146 R
	405 002 0407	TR 2SA1037K T146 S
	405 002 6706	TR 2SA1179-M6-TB
	405 002 6904	TR 2SA1179-M7-TB
	405 163 1503	TR 2SA1179N-M6-TB
	405 163 2708	TR 2SA1179N-M7-TB
Q7010	405 134 5905	TR 2SA1037AK-T146-R
	405 147 2205	TR 2SA1037AK-S-T146
	405 002 0308	TR 2SA1037K T146 R
	405 002 0407	TR 2SA1037K T146 S
	405 002 6706	TR 2SA1179-M6-TB
	405 002 6904	TR 2SA1179-M7-TB
	405 163 1503	TR 2SA1179N-M6-TB
	405 163 2708	TR 2SA1179N-M7-TB
Q7011	405 134 5905	TR 2SA1037AK-T146-R
	405 147 2205	TR 2SA1037AK-S-T146
	405 002 0308	TR 2SA1037K T146 R
	405 002 0407	TR 2SA1037K T146 S
	405 002 6706	TR 2SA1179-M6-TB
	405 002 6904	TR 2SA1179-M7-TB
	405 163 1503	TR 2SA1179N-M6-TB
	405 163 2708	TR 2SA1179N-M7-TB
Q7012	405 014 4509	TR 2SC2412K T146 R
	405 014 4608	TR 2SC2412K T146 S
	405 015 8704	TR 2SC2812-L6-TB
	405 015 8902	TR 2SC2812-L7-TB
	405 163 1602	TR 2SC2812N-L6-TB0
	405 163 1701	TR 2SC2812N-L7-TB0
Q7013	405 134 5905	TR 2SA1037AK-T146-R
	405 147 2205	TR 2SA1037AK-S-T146
	405 002 0308	TR 2SA1037K T146 R
	405 002 0407	TR 2SA1037K T146 S
	405 002 6706	TR 2SA1179-M6-TB
	405 002 6904	TR 2SA1179-M7-TB
	405 163 1503	TR 2SA1179N-M6-TB
	405 163 2708	TR 2SA1179N-M7-TB
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	405 147 2205	TR 2SA1037AK-S-T146
	405 002 0308	TR 2SA1037K T146 R
	405 002 0407	TR 2SA1037K T146 S
	405 002 6706	TR 2SA1179-M6-TB
	405 002 6904	TR 2SA1179-M7-TB
	405 163 1503	TR 2SA1179N-M6-TB
	405 163 2708	TR 2SA1179N-M7-TB
Q7051	405 014 4509	TR 2SC2412K T146 R
	405 014 4608	TR 2SC2412K T146 S
	405 015 8704	TR 2SC2812-L6-TB
	405 015 8902	TR 2SC2812-L7-TB
	405 163 1602	TR 2SC2812N-L6-TB0
	405 163 1701	TR 2SC2812N-L7-TB0
Q7052	405 014 4509	TR 2SC2412K T146 R
	405 014 4608	TR 2SC2412K T146 S
	405 015 8704	TR 2SC2812-L6-TB
	405 015 8902	TR 2SC2812-L7-TB
	405 163 1602	TR 2SC2812N-L6-TB0
	405 163 1701	TR 2SC2812N-L7-TB0
Q7053	405 134 5905	TR 2SA1037AK-T146-R
	405 147 2205	TR 2SA1037AK-S-T146
	405 002 0308	TR 2SA1037K T146 R
	405 002 0407	TR 2SA1037K T146 S
	405 002 6706	TR 2SA1179-M6-TB
	405 002 6904	TR 2SA1179-M7-TB
	405 163 1503	TR 2SA1179N-M6-TB
	405 163 2708	TR 2SA1179N-M7-TB
Q7100	405 014 4509	TR 2SC2412K T146 R
	405 014 4608	TR 2SC2412K T146 S
	405 015 8704	TR 2SC2812-L6-TB
	405 015 8902	TR 2SC2812-L7-TB
	405 163 1602	TR 2SC2812N-L6-TB0
	405 163 1701	TR 2SC2812N-L7-TB0
Q8973	405 014 4509	TR 2SC2412K T146 R
	405 014 4608	TR 2SC2412K T146 S
	405 015 8704	TR 2SC2812-L6-TB

Key No.	Part No.	Description
	405 015 8902	TR 2SC2812-L7-TB
	405 163 1602	TR 2SC2812N-L6-TB0
	405 163 1701	TR 2SC2812N-L7-TB0
Q947	405 134 5905	TR 2SA1037AK-T146-R
	405 147 2205	TR 2SA1037AK-S-T146
	405 002 0308	TR 2SA1037K T146 R
	405 002 0407	TR 2SA1037K T146 S
	405 002 6706	TR 2SA1179-M6-TB
	405 002 6904	TR 2SA1179-M7-TB
	405 163 1503	TR 2SA1179N-M6-TB
	405 163 2708	TR 2SA1179N-M7-TB
Q948	405 134 5905	TR 2SA1037AK-T146-R
	405 147 2205	TR 2SA1037AK-S-T146
	405 002 0308	TR 2SA1037K T146 R
	405 002 0407	TR 2SA1037K T146 S
	405 002 6706	TR 2SA1179-M6-TB
	405 002 6904	TR 2SA1179-M7-TB
	405 163 1503	TR 2SA1179N-M6-TB
	405 163 2708	TR 2SA1179N-M7-TB
Q971	405 014 4509	TR 2SC2412K T146 R
	405 014 4608	TR 2SC2412K T146 S
	405 015 8704	TR 2SC2812-L6-TB
	405 015 8902	TR 2SC2812-L7-TB
	405 163 1602	TR 2SC2812N-L6-TB0
	405 163 1701	TR 2SC2812N-L7-TB0
Q972	405 014 4509	TR 2SC2412K T146 R
	405 014 4608	TR 2SC2412K T146 S
	405 015 8704	TR 2SC2812-L6-TB
	405 015 8902	TR 2SC2812-L7-TB
	405 163 1602	TR 2SC2812N-L6-TB0
	405 163 1701	TR 2SC2812N-L7-TB0
Q973	405 014 4509	TR 2SC2412K T146 R
	405 014 4608	TR 2SC2412K T146 S
	405 015 8704	TR 2SC2812-L6-TB
	405 015 8902	TR 2SC2812-L7-TB
	405 163 1602	TR 2SC2812N-L6-TB0
	405 163 1701	TR 2SC2812N-L7-TB0
INTEGRATED CIRCUIT		
IC1001	409 318 0007	IC CXA1845Q
IC1002	409 051 2702	IC TC4052BF(EL)
IC1123	409 501 0906	IC BA7657F
IC1124	409 501 0906	IC BA7657F
IC1201	409 484 2003	IC BA7078AF-E2
IC1251	410 348 7409	IC TC74LCX125FT(EL)
IC1252	410 348 7409	IC TC74LCX125FT(EL)
IC1254	409 400 7105	IC TC7W53FU-(TE12L)
IC1256	410 348 7409	IC TC74LCX125FT(EL)
IC1257	409 155 8006	IC TC7S04F-TE85L
IC1401	410 406 8508	IC EP1K30TC144-3
IC1402	410 407 9207	IC EPC1LC20-B878
IC1851	409 339 3605	IC 24LC16BT/SN-T
IC1951	409 462 0304	IC 24LC21AT/SN
IC201	409 461 7304	IC AD8057ART
IC202	409 461 7304	IC AD8057ART
IC203	409 461 7304	IC AD8057ART
IC204	409 448 5903	IC BD6111FV-E2
IC206	409 416 6406	IC BA033FP-E2
IC207	410 388 7001	IC AD9884AKS-100
IC208	409 448 5903	IC BD6111FV-E2
IC301	409 501 8308	IC PW365-10U
IC302	409 499 1701	IC PQ025EZ01ZP
	409 461 7700	IC PQ2TZ15
IC303	409 428 7101	IC AV9155C
IC304	410 325 4605	IC TC74LCX244FT
IC305	409 480 1307	IC PST573IM
IC306	409 429 2808	IC TC74LCX04FT-(EL)
IC307	410 443 3009	IC MBM29LV800TA90C009AS
	410 443 3108	IC MBM29LV800TA90C009A
IC307A	410 354 3808	IC MBM29LV800TA-90PFTN
IC308	410 397 0406	IC IS61LV6416-15T
IC309	409 458 2305	IC TC7SZ32FU-TE85L
IC331	409 501 9107	IC ICS512MT
IC401	410 401 4604	IC VPC3230D-QA-B3
IC404	409 496 9601	IC PST600IM
IC415	409 416 6406	IC BA033FP-E2
IC501	409 496 9700	IC SDA9415
IC506	409 416 6406	IC BA033FP-E2
IC601	409 500 8903	IC MN82860
IC602	409 496 9601	IC PST600IM
IC606	409 499 1701	IC PQ025EZ01ZP
	409 461 7700	IC PQ2TZ15
IC610	409 416 6406	IC BA033FP-E2
IC620	409 416 6406	IC BA033FP-E2
IC7080	409 437 4801	IC L88M33TL-TL
IC7081	409 475 8403	IC SI-3025LS-TL
IC7100	410 342 8808	IC MSM54V16258BSL-40TS-K
IC7101	409 453 9309	IC UPD64082GF-3BA
IC753	410 423 7201	IC THC63LVDM83R
IC755	409 416 6406	IC BA033FP-E2
IC803	409 434 8109	IC TC4053BFT-(EL)
IC804	409 434 8109	IC TC4053BFT-(EL)
IC806	409 434 8109	IC TC4053BFT-(EL)
IC822	409 438 5609	IC TC74ACT08FT
IC823	409 399 4000	IC 74LVX32SJX
IC8902	409 074 9603	IC M51957BFP
IC8971	409 441 8406	IC LA7217M-T-TRM
IC981	409 428 8405	IC TC7WT125FU-TE12L
IC982	409 428 8405	IC TC7WT125FU-TE12L
CAPACITOR		
C1000	403 149 9208	CERAMIC 0.01U Z 50V
C1001	403 330 7709	ELECT 47U M 25V
C1002	403 345 6605	CERAMIC 1U M 10V
C1003	403 345 6605	CERAMIC 1U M 10V
C1005	403 149 9208	CERAMIC 0.01U Z 50V

Key No.	Part No.	Description			Key No.	Part No.	Description		
C1008	403 149 9208	CERAMIC	0.01U Z	50V	C1181	403 343 4900	ELECT	470U M	25V
C1009	403 149 9208	CERAMIC	0.01U Z	50V	C1204	403 267 0606	NP-ELECT	4.7U M	16V
C1010	403 343 3408	ELECT	10U M	25V	C1205	403 314 5905	CERAMIC	0.47U K	16V
C1011	403 149 9208	CERAMIC	0.01U Z	50V	C1206	403 345 6605	CERAMIC	1U M	10V
C1012	403 149 9208	CERAMIC	0.01U Z	50V	C1207	403 314 5905	CERAMIC	0.47U K	16V
C1013	403 149 9208	CERAMIC	0.01U Z	50V	C1208	403 358 8603	ELECT	2.2U M	50V
C1014	403 343 3408	ELECT	10U M	25V	C1209	403 345 6605	CERAMIC	1U M	10V
C1015	403 149 9208	CERAMIC	0.01U Z	50V	C1210	403 157 3601	CERAMIC	100P J	50V
C1016	403 149 9208	CERAMIC	0.01U Z	50V	C1211	403 164 0204	CERAMIC	0.1U Z	25V
C1017	403 149 9208	CERAMIC	0.01U Z	50V	C1212	403 321 7404	ELECT	100U M	16V
C1018	403 343 3408	ELECT	10U M	25V	C1213	403 283 6309	CERAMIC	1U Z	10V
C1019	403 343 3408	ELECT	10U M	25V	C1214	403 330 7709	ELECT	47U M	25V
C1020	403 345 6605	CERAMIC	1U M	10V	C1250	403 164 0204	CERAMIC	0.1U Z	25V
C1021	403 345 6605	CERAMIC	1U M	10V	C1251	403 343 3408	ELECT	10U M	25V
C1022	403 343 3408	ELECT	10U M	25V	C1252	403 164 0204	CERAMIC	0.1U Z	25V
C1023	403 345 6605	CERAMIC	1U M	10V	C1253	403 164 0204	CERAMIC	0.1U Z	25V
C1024	403 345 6605	CERAMIC	1U M	10V	C1254	403 164 0204	CERAMIC	0.1U Z	25V
C1025	403 343 3408	ELECT	10U M	25V	C1391	403 345 6605	CERAMIC	1U M	10V
C1026	403 345 6605	CERAMIC	1U M	10V	C1392	403 345 6605	CERAMIC	1U M	10V
C1027	403 345 6605	CERAMIC	1U M	10V	C1400	403 113 3805	CERAMIC	1000P K	50V
C1032	403 149 9208	CERAMIC	0.01U Z	50V	C1401	403 164 0204	CERAMIC	0.1U Z	25V
C1033	403 321 7503	ELECT	220U M	16V	C1402	403 334 8603	ELECT	220U M	6.3V
C1034	403 353 2705	ELECT	22U M	25V	C1403	403 164 0204	CERAMIC	0.1U Z	25V
C1039	403 343 4900	ELECT	470U M	25V	C1404	403 164 0204	CERAMIC	0.1U Z	25V
C1040	403 353 2705	ELECT	22U M	25V	C1405	403 164 0204	CERAMIC	0.1U Z	25V
C1041	403 353 2705	ELECT	22U M	25V	C1406	403 164 0204	CERAMIC	0.1U Z	25V
C1043	403 149 9208	CERAMIC	0.01U Z	50V	C1407	403 164 0204	CERAMIC	0.1U Z	25V
C1122	401 105 7909	MT-GLAZE	0.000 ZA	1/16W	C1408	403 164 0204	CERAMIC	0.1U Z	25V
C1125	401 105 7909	MT-GLAZE	0.000 ZA	1/16W	C1409	403 164 0204	CERAMIC	0.1U Z	25V
C1127	401 105 7909	MT-GLAZE	0.000 ZA	1/16W	C1410	403 164 0204	CERAMIC	0.1U Z	25V
C1129	401 105 7909	MT-GLAZE	0.000 ZA	1/16W	C1411	403 164 0204	CERAMIC	0.1U Z	25V
C1151	403 330 7709	ELECT	47U M	25V	C1412	403 334 8603	ELECT	220U M	6.3V
C1152	403 149 9208	CERAMIC	0.01U Z	50V	C1413	403 164 0204	CERAMIC	0.1U Z	25V
C1154	403 330 7709	ELECT	47U M	25V	C1421	403 164 0204	CERAMIC	0.1U Z	25V
C1155	403 149 9208	CERAMIC	0.01U Z	50V	C1811	403 353 2705	ELECT	22U M	25V
C1156	403 330 7709	ELECT	47U M	25V	C1851	403 343 3408	ELECT	10U M	25V
C1157	403 149 9208	CERAMIC	0.01U Z	50V	C1852	403 164 0204	CERAMIC	0.1U Z	25V
C1158	403 330 7709	ELECT	47U M	25V	C1951	403 343 3408	ELECT	10U M	25V
C1159	403 149 9208	CERAMIC	0.01U Z	50V	C1952	403 164 0204	CERAMIC	0.1U Z	25V
C1160	403 330 7709	ELECT	47U M	25V	C201	403 164 0204	CERAMIC	0.1U Z	25V
C1161	403 149 9208	CERAMIC	0.01U Z	50V	C202	403 164 0204	CERAMIC	0.1U Z	25V
C1162	403 330 7709	ELECT	47U M	25V	C203	403 164 0204	CERAMIC	0.1U Z	25V
C1163	403 149 9208	CERAMIC	0.01U Z	50V	C205	403 334 8603	ELECT	220U M	6.3V
C1164	403 149 9208	CERAMIC	0.01U Z	50V	C208	403 334 8603	ELECT	220U M	6.3V
C1165	403 343 4900	ELECT	470U M	25V	C209	403 164 0204	CERAMIC	0.1U Z	25V
C1166	403 282 1206	NP-ELECT	22U M	16V	C210	403 164 0204	CERAMIC	0.1U Z	25V
C1167	403 149 9208	CERAMIC	0.01U Z	50V	C211	403 157 3106	CERAMIC	56P J	50V
C1169	403 282 1206	NP-ELECT	22U M	16V	C212	403 157 3106	CERAMIC	56P J	50V
C1170	403 149 9208	CERAMIC	0.01U Z	50V	C213	403 157 3106	CERAMIC	56P J	50V
C1171	403 282 1206	NP-ELECT	22U M	16V	C214	403 334 8603	ELECT	220U M	6.3V
C1172	403 149 9208	CERAMIC	0.01U Z	50V	C215	403 334 8603	ELECT	220U M	6.3V
C1180	403 149 9208	CERAMIC	0.01U Z	50V	C216	403 164 0204	CERAMIC	0.1U Z	25V

Key No.	Part No.	Description	Key No.	Part No.	Description
C217	403 164 0204	CERAMIC 0.1U Z 25V	C334	403 164 0204	CERAMIC 0.1U Z 25V
C218	403 283 6309	CERAMIC 1U Z 10V	C341	403 164 0204	CERAMIC 0.1U Z 25V
C219	403 283 6309	CERAMIC 1U Z 10V	C342	403 334 8603	ELECT 220U M 6.3V
C220	403 283 6309	CERAMIC 1U Z 10V	C343	403 330 7709	ELECT 47U M 25V
C221	403 283 6309	CERAMIC 1U Z 10V	C344	403 164 0204	CERAMIC 0.1U Z 25V
C222	403 283 6309	CERAMIC 1U Z 10V	C401	403 334 8603	ELECT 220U M 6.3V
C223	403 283 6309	CERAMIC 1U Z 10V	C402	403 351 1601	ELECT 27U M 6.3V
C224	403 283 6309	CERAMIC 1U Z 10V	C403	403 351 1601	ELECT 27U M 6.3V
C225	403 283 6309	CERAMIC 1U Z 10V	C404	403 164 0204	CERAMIC 0.1U Z 25V
C230	403 334 8603	ELECT 220U M 6.3V	C405	403 164 0204	CERAMIC 0.1U Z 25V
C231	403 334 8603	ELECT 220U M 6.3V	C406	403 164 0204	CERAMIC 0.1U Z 25V
C235	403 334 8603	ELECT 220U M 6.3V	C407	403 281 5205	CERAMIC 0.22U Z 16V
C236	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	C408	403 155 2101	CERAMIC 1500P K 50V
C237	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	C409	403 164 0204	CERAMIC 0.1U Z 25V
C238	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	C410	403 215 0900	CERAMIC 390P J 50V
C239	403 345 6605	CERAMIC 1U M 10V	C411	403 113 3805	CERAMIC 1000P K 50V
C240	403 345 6605	CERAMIC 1U M 10V	C412	403 330 7709	ELECT 47U M 25V
C241	403 345 6605	CERAMIC 1U M 10V	C413	403 164 0204	CERAMIC 0.1U Z 25V
C243	403 157 2505	CERAMIC 27P J 50V	C414	403 155 2101	CERAMIC 1500P K 50V
C244	403 157 2505	CERAMIC 27P J 50V	C415	403 205 2808	CERAMIC 0.047U K 25V
C246	403 157 2505	CERAMIC 27P J 50V	C416	403 307 7008	CERAMIC 0.068U K 16V
C253	403 164 0204	CERAMIC 0.1U Z 25V	C417	403 307 7008	CERAMIC 0.068U K 16V
C254	403 334 8603	ELECT 220U M 6.3V	C418	403 307 7008	CERAMIC 0.068U K 16V
C256	403 164 0204	CERAMIC 0.1U Z 25V	C419	403 155 2101	CERAMIC 1500P K 50V
C257	403 298 9609	CERAMIC 0.1U K 16V	C420	403 205 2808	CERAMIC 0.047U K 25V
C260	403 164 0204	CERAMIC 0.1U Z 25V	C421	403 164 0204	CERAMIC 0.1U Z 25V
C261	403 343 3408	ELECT 10U M 25V	C422	403 343 3408	ELECT 10U M 25V
C262	403 298 9609	CERAMIC 0.1U K 16V	C424	403 281 5205	CERAMIC 0.22U Z 16V
C263	403 298 9609	CERAMIC 0.1U K 16V	C425	403 157 1508	CERAMIC 3P C 50V
C264	403 215 2201	CERAMIC 0.01U K 50V	C426	403 281 5205	CERAMIC 0.22U Z 16V
C265	403 343 3408	ELECT 10U M 25V	C427	403 155 2101	CERAMIC 1500P K 50V
C266	403 164 0204	CERAMIC 0.1U Z 25V	C428	403 215 0900	CERAMIC 390P J 50V
C301	403 283 6309	CERAMIC 1U Z 10V	C429	403 343 3408	ELECT 10U M 25V
C302	403 164 0204	CERAMIC 0.1U Z 25V	C430	403 205 2808	CERAMIC 0.047U K 25V
C303	403 164 0204	CERAMIC 0.1U Z 25V	C431	403 164 0204	CERAMIC 0.1U Z 25V
C304	403 164 0204	CERAMIC 0.1U Z 25V	C432	403 164 0204	CERAMIC 0.1U Z 25V
C305	403 334 8603	ELECT 220U M 6.3V	C433	403 215 0900	CERAMIC 390P J 50V
C306	403 164 0204	CERAMIC 0.1U Z 25V	C434	403 281 5205	CERAMIC 0.22U Z 16V
C308	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	C435	403 343 3408	ELECT 10U M 25V
C309	403 164 0204	CERAMIC 0.1U Z 25V	C436	403 205 2808	CERAMIC 0.047U K 25V
C310	403 334 8603	ELECT 220U M 6.3V	C437	403 155 2101	CERAMIC 1500P K 50V
C311	403 334 8603	ELECT 220U M 6.3V	C438	403 157 1508	CERAMIC 3P C 50V
C312	403 164 0204	CERAMIC 0.1U Z 25V	C446	403 281 5205	CERAMIC 0.22U Z 16V
C313	403 334 8603	ELECT 220U M 6.3V	C448	403 281 5205	CERAMIC 0.22U Z 16V
C314	403 164 0204	CERAMIC 0.1U Z 25V	C451	403 281 5205	CERAMIC 0.22U Z 16V
C321	403 164 0204	CERAMIC 0.1U Z 25V	C454	403 281 5205	CERAMIC 0.22U Z 16V
C322	403 334 8603	ELECT 220U M 6.3V	C480	403 281 5205	CERAMIC 0.22U Z 16V
C323	403 164 0204	CERAMIC 0.1U Z 25V	C481	403 153 9300	CERAMIC 82P J 50V
C324	403 164 0204	CERAMIC 0.1U Z 25V	C500	403 164 0204	CERAMIC 0.1U Z 25V
C325	403 164 0204	CERAMIC 0.1U Z 25V	C501	403 164 0204	CERAMIC 0.1U Z 25V
C326	403 155 4204	CERAMIC 15P J 50V	C502	403 164 0204	CERAMIC 0.1U Z 25V
C330	403 164 0204	CERAMIC 0.1U Z 25V	C503	403 164 0204	CERAMIC 0.1U Z 25V

Key No.	Part No.	Description			Key No.	Part No.	Description		
C504	403 164 0204	CERAMIC	0.1U Z	25V	C7103	403 283 6309	CERAMIC	1U Z	10V
C505	403 164 0204	CERAMIC	0.1U Z	25V	C7106	403 164 0204	CERAMIC	0.1U Z	25V
C506	403 155 4204	CERAMIC	15P J	50V	C7107	403 164 0204	CERAMIC	0.1U Z	25V
C507	403 155 4204	CERAMIC	15P J	50V	C7109	403 164 0204	CERAMIC	0.1U Z	25V
C508	403 164 0204	CERAMIC	0.1U Z	25V	C7110	403 334 8603	ELECT	220U M	6.3V
C509	403 164 0204	CERAMIC	0.1U Z	25V	C7111	403 164 0204	CERAMIC	0.1U Z	25V
C510	403 164 0204	CERAMIC	0.1U Z	25V	C7113	403 155 1302	CERAMIC	150P J	50V
C511	403 164 0204	CERAMIC	0.1U Z	25V	C7115	403 155 1302	CERAMIC	150P J	50V
C512	403 164 0204	CERAMIC	0.1U Z	25V	C7119	403 164 0204	CERAMIC	0.1U Z	25V
C513	403 164 0204	CERAMIC	0.1U Z	25V	C7120	403 164 0204	CERAMIC	0.1U Z	25V
C514	403 164 0204	CERAMIC	0.1U Z	25V	C7121	403 164 0204	CERAMIC	0.1U Z	25V
C515	403 334 8603	ELECT	220U M	6.3V	C7122	403 164 0204	CERAMIC	0.1U Z	25V
C516	403 164 0204	CERAMIC	0.1U Z	25V	C7124	403 164 0204	CERAMIC	0.1U Z	25V
C517	403 334 8603	ELECT	220U M	6.3V	C7125	403 145 9905	CERAMIC	22P J	50V
C601	403 164 0204	CERAMIC	0.1U Z	25V	C7126	403 343 3408	ELECT	10U M	25V
C602	403 164 0204	CERAMIC	0.1U Z	25V	C7127	403 164 0204	CERAMIC	0.1U Z	25V
C603	403 164 0204	CERAMIC	0.1U Z	25V	C7128	403 164 0204	CERAMIC	0.1U Z	25V
C604	403 164 0204	CERAMIC	0.1U Z	25V	C7129	403 164 0204	CERAMIC	0.1U Z	25V
C605	403 164 0204	CERAMIC	0.1U Z	25V	C7130	403 164 0204	CERAMIC	0.1U Z	25V
C606	403 280 0508	ELECT	470U M	4V	C7131	403 164 0204	CERAMIC	0.1U Z	25V
C608	403 164 0204	CERAMIC	0.1U Z	25V	C7133	403 334 8603	ELECT	220U M	6.3V
C609	403 334 8603	ELECT	220U M	6.3V	C7134	403 164 0204	CERAMIC	0.1U Z	25V
C610	403 164 0204	CERAMIC	0.1U Z	25V	C7135	403 334 8603	ELECT	220U M	6.3V
C615	403 334 8603	ELECT	220U M	6.3V	C7136	403 283 6309	CERAMIC	1U Z	10V
C616	403 334 8603	ELECT	220U M	6.3V	C7140	403 145 9905	CERAMIC	22P J	50V
C618	403 334 8603	ELECT	220U M	6.3V	C750	403 334 8603	ELECT	220U M	6.3V
C621	403 334 8603	ELECT	220U M	6.3V	C752	403 321 7404	ELECT	100U M	16V
C632	403 164 0204	CERAMIC	0.1U Z	25V	C753	403 321 7404	ELECT	100U M	16V
C635	403 334 8603	ELECT	220U M	6.3V	C754	403 321 7404	ELECT	100U M	16V
C645	403 164 0204	CERAMIC	0.1U Z	25V	C755	403 334 8603	ELECT	220U M	6.3V
C651	403 343 4900	ELECT	470U M	25V	C756	403 164 0204	CERAMIC	0.1U Z	25V
C652	403 164 0204	CERAMIC	0.1U Z	25V	C757	403 149 9208	CERAMIC	0.01U Z	50V
C653	403 343 4900	ELECT	470U M	25V	C758	403 149 9208	CERAMIC	0.01U Z	50V
C654	403 164 0204	CERAMIC	0.1U Z	25V	C759	403 149 9208	CERAMIC	0.01U Z	50V
C7001	403 321 7404	ELECT	100U M	16V	C761	403 164 0204	CERAMIC	0.1U Z	25V
C7006	403 283 6309	CERAMIC	1U Z	10V	C762	403 149 9208	CERAMIC	0.01U Z	50V
C7007	403 157 3809	CERAMIC	120P J	50V	C764	403 164 0204	CERAMIC	0.1U Z	25V
C7008	403 164 0204	CERAMIC	0.1U Z	25V	C766	403 164 0204	CERAMIC	0.1U Z	25V
C7009	403 283 6309	CERAMIC	1U Z	10V	C767	403 164 0204	CERAMIC	0.1U Z	25V
C7010	403 145 9905	CERAMIC	22P J	50V	C768	403 164 0204	CERAMIC	0.1U Z	25V
C7011	403 282 1206	NP-ELECT	22U M	16V	C805	403 149 9208	CERAMIC	0.01U Z	50V
C7051	403 266 8108	NP-ELECT	1U M	50V	C810	403 149 9208	CERAMIC	0.01U Z	50V
C7052	403 345 6605	CERAMIC	1U M	10V	C815	403 149 9208	CERAMIC	0.01U Z	50V
C7053	403 164 0204	CERAMIC	0.1U Z	25V	C832	403 283 6309	CERAMIC	1U Z	10V
C7054	403 330 7709	ELECT	47U M	25V	C833	403 283 6309	CERAMIC	1U Z	10V
C7080	403 164 0204	CERAMIC	0.1U Z	25V	C8901	403 334 8603	ELECT	220U M	6.3V
C7081	403 334 8603	ELECT	220U M	6.3V	C8909	403 155 2408	CERAMIC	5600P K	50V
C7082	403 164 0204	CERAMIC	0.1U Z	25V	C8921	403 164 0204	CERAMIC	0.1U Z	25V
C7083	403 334 8603	ELECT	220U M	6.3V	C8951	403 155 1609	CERAMIC	33P J	50V
C7100	403 283 6309	CERAMIC	1U Z	10V	C8952	403 155 1609	CERAMIC	33P J	50V
C7101	403 283 6309	CERAMIC	1U Z	10V	C8953	403 157 3601	CERAMIC	100P J	50V
C7102	403 334 8603	ELECT	220U M	6.3V	C8973	403 330 7709	ELECT	47U M	25V

Key No.	Part No.	Description
C8974	403 164 0204	CERAMIC 0.1U Z 25V
C8975	403 164 0204	CERAMIC 0.1U Z 25V
C8976	403 157 6404	CERAMIC 330P K 50V
C8977	403 266 8108	NP-ELECT 1U M 50V
C8978	403 308 2101	CERAMIC 0.056U K 16V
C951	403 164 0204	CERAMIC 0.1U Z 25V
C952	403 164 0204	CERAMIC 0.1U Z 25V
C953	403 164 0204	CERAMIC 0.1U Z 25V
C954	403 283 6309	CERAMIC 1U Z 10V
C956	403 164 0204	CERAMIC 0.1U Z 25V
C957	403 164 0204	CERAMIC 0.1U Z 25V
C958	403 164 0204	CERAMIC 0.1U Z 25V
C959	403 164 0204	CERAMIC 0.1U Z 25V
C961	403 164 0204	CERAMIC 0.1U Z 25V
C962	403 164 0204	CERAMIC 0.1U Z 25V
C963	403 164 0204	CERAMIC 0.1U Z 25V
C964	403 164 0204	CERAMIC 0.1U Z 25V
C966	403 164 0204	CERAMIC 0.1U Z 25V
C967	403 164 0204	CERAMIC 0.1U Z 25V
C968	403 164 0204	CERAMIC 0.1U Z 25V
C969	403 164 0204	CERAMIC 0.1U Z 25V
C971	403 164 0204	CERAMIC 0.1U Z 25V
C972	403 164 0204	CERAMIC 0.1U Z 25V
C973	403 164 0204	CERAMIC 0.1U Z 25V
C974	403 334 8603	ELECT 220U M 6.3V
C975	403 351 1601	ELECT 27U M 6.3V
C976	403 334 8603	ELECT 220U M 6.3V
C977	403 164 0204	CERAMIC 0.1U Z 25V
C978	403 343 4900	ELECT 470U M 25V
C979	403 351 1601	ELECT 27U M 6.3V
C981	403 351 1601	ELECT 27U M 6.3V
C991	403 164 0204	CERAMIC 0.1U Z 25V
C996	403 321 7404	ELECT 100U M 16V
RESISTOR		
RB1401	645 037 0656	R-NETWORK 0X4 0.063W
	645 024 7477	R-NETWORK 0X4 1/16W
RB1402	645 037 0656	R-NETWORK 0X4 0.063W
	645 024 7477	R-NETWORK 0X4 1/16W
RB1403	645 037 0656	R-NETWORK 0X4 0.063W
	645 024 7477	R-NETWORK 0X4 1/16W
RB1404	645 037 0656	R-NETWORK 0X4 0.063W
	645 024 7477	R-NETWORK 0X4 1/16W
RB1405	645 037 0656	R-NETWORK 0X4 0.063W
	645 024 7477	R-NETWORK 0X4 1/16W
RB1406	645 037 0656	R-NETWORK 0X4 0.063W
	645 024 7477	R-NETWORK 0X4 1/16W
RB1407	645 021 0358	R-NETWORK 100X4 0.063W
	645 031 3325	R-NETWORK 100X4 1/16W
RB201	645 021 0358	R-NETWORK 100X4 0.063W
	645 031 3325	R-NETWORK 100X4 1/16W
RB202	645 021 0358	R-NETWORK 100X4 0.063W
	645 031 3325	R-NETWORK 100X4 1/16W
RB205	645 021 0358	R-NETWORK 100X4 0.063W
	645 031 3325	R-NETWORK 100X4 1/16W
RB206	645 021 0358	R-NETWORK 100X4 0.063W
	645 031 3325	R-NETWORK 100X4 1/16W
RB209	645 021 0358	R-NETWORK 100X4 0.063W
	645 031 3325	R-NETWORK 100X4 1/16W
RB210	645 021 0358	R-NETWORK 100X4 0.063W
	645 031 3325	R-NETWORK 100X4 1/16W
RB401	645 037 0663	R-NETWORK 22X4 0.063W
	645 021 4943	R-NETWORK 22X4 1/16W
RB402	645 037 0663	R-NETWORK 22X4 0.063W
	645 021 4943	R-NETWORK 22X4 1/16W
RB403	645 037 0663	R-NETWORK 22X4 0.063W
	645 021 4943	R-NETWORK 22X4 1/16W
RB404	645 037 0663	R-NETWORK 22X4 0.063W
	645 021 4943	R-NETWORK 22X4 1/16W
RB508	645 037 0663	R-NETWORK 22X4 0.063W
	645 021 4943	R-NETWORK 22X4 1/16W
RB509	645 037 0663	R-NETWORK 22X4 0.063W
	645 021 4943	R-NETWORK 22X4 1/16W
RB511	645 037 0663	R-NETWORK 22X4 0.063W
	645 021 4943	R-NETWORK 22X4 1/16W
RB512	645 037 0663	R-NETWORK 22X4 0.063W
	645 021 4943	R-NETWORK 22X4 1/16W
RB601	645 037 0663	R-NETWORK 22X4 0.063W
	645 021 4943	R-NETWORK 22X4 1/16W
RB602	645 037 0663	R-NETWORK 22X4 0.063W
	645 021 4943	R-NETWORK 22X4 1/16W
RB603	645 037 0663	R-NETWORK 22X4 0.063W
	645 021 4943	R-NETWORK 22X4 1/16W
RB604	645 037 0663	R-NETWORK 22X4 0.063W
	645 021 4943	R-NETWORK 22X4 1/16W
RB605	645 037 0663	R-NETWORK 22X4 0.063W
	645 021 4943	R-NETWORK 22X4 1/16W
RB606	645 037 0663	R-NETWORK 22X4 0.063W
	645 021 4943	R-NETWORK 22X4 1/16W
RB607	645 037 0663	R-NETWORK 22X4 0.063W
	645 021 4943	R-NETWORK 22X4 1/16W
RB608	645 037 0663	R-NETWORK 22X4 0.063W
	645 021 4943	R-NETWORK 22X4 1/16W
RB609	645 037 0663	R-NETWORK 22X4 0.063W
	645 021 4943	R-NETWORK 22X4 1/16W
RB610	645 037 0663	R-NETWORK 22X4 0.063W
	645 021 4943	R-NETWORK 22X4 1/16W
RB611	645 037 0663	R-NETWORK 22X4 0.063W
	645 021 4943	R-NETWORK 22X4 1/16W
RB612	645 037 0663	R-NETWORK 22X4 0.063W
	645 021 4943	R-NETWORK 22X4 1/16W
RB751	645 021 0358	R-NETWORK 100X4 0.063W
	645 031 3325	R-NETWORK 100X4 1/16W
RB752	645 021 0358	R-NETWORK 100X4 0.063W
	645 031 3325	R-NETWORK 100X4 1/16W

Key No.	Part No.	Description
RB753	645 021 0358	R-NETWORK 100X4 0.063W
	645 031 3325	R-NETWORK 100X4 1/16W
RB754	645 021 0358	R-NETWORK 100X4 0.063W
	645 031 3325	R-NETWORK 100X4 1/16W
RB755	645 021 0358	R-NETWORK 100X4 0.063W
	645 031 3325	R-NETWORK 100X4 1/16W
RB756	645 021 0358	R-NETWORK 100X4 0.063W
	645 031 3325	R-NETWORK 100X4 1/16W
R087	401 105 0603	MT-GLAZE 10K JA 1/16W
R1000	401 105 3000	MT-GLAZE 220K JA 1/16W
R1001	401 105 1105	MT-GLAZE 12K JA 1/16W
R1002	401 105 1600	MT-GLAZE 15K JA 1/16W
R1003	401 105 0504	MT-GLAZE 1K JA 1/16W
R1004	401 105 3000	MT-GLAZE 220K JA 1/16W
R1005	401 105 3000	MT-GLAZE 220K JA 1/16W
R1006	401 105 3000	MT-GLAZE 220K JA 1/16W
R1007	401 105 3000	MT-GLAZE 220K JA 1/16W
R1010	401 105 3000	MT-GLAZE 220K JA 1/16W
R1016	401 038 9506	MT-GLAZE 75 JA 1/10W
R1017	401 105 2706	MT-GLAZE 220 JA 1/16W
R1018	401 038 9506	MT-GLAZE 75 JA 1/10W
R1019	401 105 2706	MT-GLAZE 220 JA 1/16W
R1020	401 105 2904	MT-GLAZE 22K JA 1/16W
R1021	401 105 0504	MT-GLAZE 1K JA 1/16W
R1022	401 105 2904	MT-GLAZE 22K JA 1/16W
R1023	401 105 0504	MT-GLAZE 1K JA 1/16W
R1024	401 105 6001	MT-GLAZE 5.6K JA 1/16W
R1025	401 037 2805	MT-GLAZE 75 JA 1/8W
R1026	401 105 2706	MT-GLAZE 220 JA 1/16W
R1027	401 037 2805	MT-GLAZE 75 JA 1/8W
R1028	401 105 2706	MT-GLAZE 220 JA 1/16W
R1029	401 105 2904	MT-GLAZE 22K JA 1/16W
R1030	401 105 0504	MT-GLAZE 1K JA 1/16W
R1031	401 105 2904	MT-GLAZE 22K JA 1/16W
R1032	401 105 6001	MT-GLAZE 5.6K JA 1/16W
R1033	401 105 0504	MT-GLAZE 1K JA 1/16W
R1034	401 037 2805	MT-GLAZE 75 JA 1/8W
R1035	401 105 2706	MT-GLAZE 220 JA 1/16W
R1036	401 037 2805	MT-GLAZE 75 JA 1/8W
R1037	401 105 2706	MT-GLAZE 220 JA 1/16W
R1038	401 105 2904	MT-GLAZE 22K JA 1/16W
R1039	401 105 0504	MT-GLAZE 1K JA 1/16W
R1040	401 105 2904	MT-GLAZE 22K JA 1/16W
R1041	401 105 6001	MT-GLAZE 5.6K JA 1/16W
R1042	401 105 0504	MT-GLAZE 1K JA 1/16W
R1043	401 037 2805	MT-GLAZE 75 JA 1/8W
R1044	401 105 2706	MT-GLAZE 220 JA 1/16W
R1046	401 105 6001	MT-GLAZE 5.6K JA 1/16W
R1048	401 105 6001	MT-GLAZE 5.6K JA 1/16W
R1049	401 037 2805	MT-GLAZE 75 JA 1/8W
R1050	401 105 2706	MT-GLAZE 220 JA 1/16W
R1052	401 105 6001	MT-GLAZE 5.6K JA 1/16W
R1054	401 105 6001	MT-GLAZE 5.6K JA 1/16W
R1055	401 037 2805	MT-GLAZE 75 JA 1/8W
R1056	401 105 2706	MT-GLAZE 220 JA 1/16W
R1058	401 105 6001	MT-GLAZE 5.6K JA 1/16W
R1060	401 105 6001	MT-GLAZE 5.6K JA 1/16W
R1070	401 105 5806	MT-GLAZE 56 JA 1/16W
R1071	401 105 2805	MT-GLAZE 2.2K JA 1/16W
R1072	401 105 5806	MT-GLAZE 56 JA 1/16W
R1073	401 105 2805	MT-GLAZE 2.2K JA 1/16W
R1074	401 105 5806	MT-GLAZE 56 JA 1/16W
R1075	401 105 2805	MT-GLAZE 2.2K JA 1/16W
R1086	401 105 5806	MT-GLAZE 56 JA 1/16W
R1087	401 257 7406	MT-GLAZE 120 JA 1/3W
R1089	401 038 9506	MT-GLAZE 75 JA 1/10W
R1091	401 105 5806	MT-GLAZE 56 JA 1/16W
R1092	401 105 6001	MT-GLAZE 5.6K JA 1/16W
R1093	401 105 7305	MT-GLAZE 820 JA 1/16W
R1095	401 105 5806	MT-GLAZE 56 JA 1/16W
R1096	401 105 6001	MT-GLAZE 5.6K JA 1/16W
R1097	401 105 7305	MT-GLAZE 820 JA 1/16W
R1101	401 105 0405	MT-GLAZE 100 JA 1/16W
R1102	401 105 0405	MT-GLAZE 100 JA 1/16W
R1110	401 105 0603	MT-GLAZE 10K JA 1/16W
R1111	401 105 0603	MT-GLAZE 10K JA 1/16W
R1112	401 105 0603	MT-GLAZE 10K JA 1/16W
R1122	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1125	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1152	401 037 2805	MT-GLAZE 75 JA 1/8W
R1153	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1155	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1156	401 037 2805	MT-GLAZE 75 JA 1/8W
R1157	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1158	401 037 2805	MT-GLAZE 75 JA 1/8W
R1159	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1160	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1161	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1164	401 105 0405	MT-GLAZE 100 JA 1/16W
R1165	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1166	401 105 0405	MT-GLAZE 100 JA 1/16W
R1167	401 105 0405	MT-GLAZE 100 JA 1/16W
R1168	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1169	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1170	401 105 0306	MT-GLAZE 10 JA 1/16W
R1172	401 105 0306	MT-GLAZE 10 JA 1/16W
R1173	401 105 0306	MT-GLAZE 10 JA 1/16W
R1177	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1178	645 050 8363	IMPEDANCE,60 OHM P
R1179	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1182	645 050 8363	IMPEDANCE,60 OHM P
R1183	645 050 8363	IMPEDANCE,60 OHM P
R1184	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1185	401 105 2805	MT-GLAZE 2.2K JA 1/16W

Key No.	Part No.	Description	Key No.	Part No.	Description
R1187	401 105 2805	MT-GLAZE 2.2K JA 1/16W	R1851	401 105 2003	MT-GLAZE 1.8K JA 1/16W
R1201	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R1852	401 105 2003	MT-GLAZE 1.8K JA 1/16W
R1202	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R1853	401 105 3901	MT-GLAZE 33 JA 1/16W
R1207	401 105 0405	MT-GLAZE 100 JA 1/16W	R1854	401 105 3901	MT-GLAZE 33 JA 1/16W
R1216	401 105 1402	MT-GLAZE 150 JA 1/16W	R1856	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1217	401 105 8005	MT-GLAZE 1M JA 1/16W	R1857	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1218	401 105 0405	MT-GLAZE 100 JA 1/16W	R1858	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1219	401 105 0405	MT-GLAZE 100 JA 1/16W	R1859	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1220	401 105 4601	MT-GLAZE 3.9K JA 1/16W	R1861	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1224	401 105 1402	MT-GLAZE 150 JA 1/16W	R1862	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1393	401 105 5509	MT-GLAZE 470K JA 1/16W	R1863	401 105 5301	MT-GLAZE 4.7K JA 1/16W
R1394	401 105 5509	MT-GLAZE 470K JA 1/16W	R1864	401 105 5301	MT-GLAZE 4.7K JA 1/16W
R1396	401 105 6001	MT-GLAZE 5.6K JA 1/16W	R1951	401 038 6505	MT-GLAZE 47K JA 1/10W
R1397	401 105 6001	MT-GLAZE 5.6K JA 1/16W	R1952	401 105 2607	MT-GLAZE 22 JA 1/16W
R1401	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R1953	401 105 2607	MT-GLAZE 22 JA 1/16W
R1402	401 105 0405	MT-GLAZE 100 JA 1/16W	R1955	401 038 6505	MT-GLAZE 47K JA 1/10W
R1403	401 105 0504	MT-GLAZE 1K JA 1/16W	R1956	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1404	401 105 0504	MT-GLAZE 1K JA 1/16W	R1963	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1405	401 105 0504	MT-GLAZE 1K JA 1/16W	R1964	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1406	401 105 0405	MT-GLAZE 100 JA 1/16W	R1968	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1407	401 105 3901	MT-GLAZE 33 JA 1/16W	R1972	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1408	401 105 0405	MT-GLAZE 100 JA 1/16W	R1978	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1410	401 105 0504	MT-GLAZE 1K JA 1/16W	R201	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1411	401 105 0405	MT-GLAZE 100 JA 1/16W	R202	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1412	401 105 0405	MT-GLAZE 100 JA 1/16W	R203	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1413	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R204	401 105 7305	MT-GLAZE 820 JA 1/16W
R1414	401 105 0405	MT-GLAZE 100 JA 1/16W	R206	401 105 7305	MT-GLAZE 820 JA 1/16W
R1416	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R207	401 105 7305	MT-GLAZE 820 JA 1/16W
R1418	401 105 0405	MT-GLAZE 100 JA 1/16W	R208	401 105 1907	MT-GLAZE 180 JA 1/16W
R1419	401 105 0405	MT-GLAZE 100 JA 1/16W	R209	401 105 1907	MT-GLAZE 180 JA 1/16W
R1420	401 105 0504	MT-GLAZE 1K JA 1/16W	R211	401 105 1907	MT-GLAZE 180 JA 1/16W
R1421	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R212	401 105 7404	MT-GLAZE 8.2K JA 1/16W
R1422	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R213	401 105 7404	MT-GLAZE 8.2K JA 1/16W
R1423	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R214	401 105 7404	MT-GLAZE 8.2K JA 1/16W
R1425	401 105 0405	MT-GLAZE 100 JA 1/16W	R216	401 105 2706	MT-GLAZE 220 JA 1/16W
R1426	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R217	401 105 2706	MT-GLAZE 220 JA 1/16W
R1427	401 105 0405	MT-GLAZE 100 JA 1/16W	R218	401 105 2706	MT-GLAZE 220 JA 1/16W
R1428	401 105 0405	MT-GLAZE 100 JA 1/16W	R219	401 105 3307	MT-GLAZE 2.7K JA 1/16W
R1429	401 105 0405	MT-GLAZE 100 JA 1/16W	R221	401 105 3307	MT-GLAZE 2.7K JA 1/16W
R1430	401 105 0405	MT-GLAZE 100 JA 1/16W	R222	401 105 3307	MT-GLAZE 2.7K JA 1/16W
R1431	401 105 0405	MT-GLAZE 100 JA 1/16W	R223	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1432	401 105 0405	MT-GLAZE 100 JA 1/16W	R224	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1434	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R226	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1435	401 105 0504	MT-GLAZE 1K JA 1/16W	R227	401 105 6506	MT-GLAZE 680 JA 1/16W
R1436	401 105 0504	MT-GLAZE 1K JA 1/16W	R228	401 105 6506	MT-GLAZE 680 JA 1/16W
R1801	401 105 0405	MT-GLAZE 100 JA 1/16W	R229	401 105 6506	MT-GLAZE 680 JA 1/16W
R1802	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R234	401 105 1402	MT-GLAZE 150 JA 1/16W
R1803	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R236	401 105 1402	MT-GLAZE 150 JA 1/16W
R1804	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R237	401 105 1402	MT-GLAZE 150 JA 1/16W
R1806	401 105 0405	MT-GLAZE 100 JA 1/16W	R250	401 105 2904	MT-GLAZE 22K JA 1/16W
R1807	401 105 0405	MT-GLAZE 100 JA 1/16W	R251	401 105 2904	MT-GLAZE 22K JA 1/16W
R1810	401 105 0702	MT-GLAZE 100K JA 1/16W	R252	401 105 2607	MT-GLAZE 22 JA 1/16W

Key No.	Part No.	Description	Key No.	Part No.	Description
R253	401 105 0603	MT-GLAZE 10K JA 1/16W	R379	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R255	401 105 0405	MT-GLAZE 100 JA 1/16W	R380	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R256	401 105 0405	MT-GLAZE 100 JA 1/16W	R381	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R257	401 105 0306	MT-GLAZE 10 JA 1/16W	R382	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R258	401 105 0603	MT-GLAZE 10K JA 1/16W	R383	401 105 0603	MT-GLAZE 10K JA 1/16W
R259	401 105 1501	MT-GLAZE 1.5K JA 1/16W	R385	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R260	401 105 0405	MT-GLAZE 100 JA 1/16W	R386	401 105 0603	MT-GLAZE 10K JA 1/16W
R261	401 105 0405	MT-GLAZE 100 JA 1/16W	R387	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R263	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R389	401 105 0603	MT-GLAZE 10K JA 1/16W
R264	401 105 3901	MT-GLAZE 33 JA 1/16W	R393	401 105 0603	MT-GLAZE 10K JA 1/16W
R265	401 105 3901	MT-GLAZE 33 JA 1/16W	R394	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R267	401 105 3901	MT-GLAZE 33 JA 1/16W	R395	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R269	401 105 0603	MT-GLAZE 10K JA 1/16W	R396	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R270	401 105 1105	MT-GLAZE 12K JA 1/16W	R401	401 105 0702	MT-GLAZE 100K JA 1/16W
R271	401 105 0603	MT-GLAZE 10K JA 1/16W	R402	401 105 0702	MT-GLAZE 100K JA 1/16W
R272	401 105 1105	MT-GLAZE 12K JA 1/16W	R403	401 105 5301	MT-GLAZE 4.7K JA 1/16W
R304	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R406	401 105 0306	MT-GLAZE 10 JA 1/16W
R309	401 105 5400	MT-GLAZE 47K JA 1/16W	R408	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R310	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R409	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R311	401 102 7506	MT-GLAZE 22 JA 1W	R412	401 105 2805	MT-GLAZE 2.2K JA 1/16W
R312	401 105 0405	MT-GLAZE 100 JA 1/16W	R414	401 105 0603	MT-GLAZE 10K JA 1/16W
R314	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R415	401 105 2607	MT-GLAZE 22 JA 1/16W
R315	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R417	401 105 2607	MT-GLAZE 22 JA 1/16W
R323	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R419	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R324	401 105 0603	MT-GLAZE 10K JA 1/16W	R420	401 105 6001	MT-GLAZE 5.6K JA 1/16W
R327	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R422	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R330	401 105 2607	MT-GLAZE 22 JA 1/16W	R425	401 105 2805	MT-GLAZE 2.2K JA 1/16W
R332	401 105 0603	MT-GLAZE 10K JA 1/16W	R426	401 105 6001	MT-GLAZE 5.6K JA 1/16W
R333	401 105 0603	MT-GLAZE 10K JA 1/16W	R428	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R335	401 105 2607	MT-GLAZE 22 JA 1/16W	R431	401 105 2805	MT-GLAZE 2.2K JA 1/16W
R336	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R432	401 105 6001	MT-GLAZE 5.6K JA 1/16W
R338	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R433	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R342	401 105 2904	MT-GLAZE 22K JA 1/16W	R434	401 105 0405	MT-GLAZE 100 JA 1/16W
R344	401 105 2904	MT-GLAZE 22K JA 1/16W	R436	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R346	401 105 0405	MT-GLAZE 100 JA 1/16W	R446	401 105 5202	MT-GLAZE 470 JA 1/16W
R347	401 105 0405	MT-GLAZE 100 JA 1/16W	R456	401 105 5202	MT-GLAZE 470 JA 1/16W
R354	401 105 2904	MT-GLAZE 22K JA 1/16W	R458	401 105 0405	MT-GLAZE 100 JA 1/16W
R356	401 105 2904	MT-GLAZE 22K JA 1/16W	R462	401 105 5202	MT-GLAZE 470 JA 1/16W
R358	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R467	401 105 0405	MT-GLAZE 100 JA 1/16W
R361	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R471	401 105 5202	MT-GLAZE 470 JA 1/16W
R362	401 105 2904	MT-GLAZE 22K JA 1/16W	R472	401 105 4007	MT-GLAZE 330 JA 1/16W
R363	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R473	401 105 5905	MT-GLAZE 560 JA 1/16W
R364	401 105 6605	MT-GLAZE 6.8K JA 1/16W	R474	401 105 5905	MT-GLAZE 560 JA 1/16W
R365	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R475	401 105 5905	MT-GLAZE 560 JA 1/16W
R368	401 105 0603	MT-GLAZE 10K JA 1/16W	R501	401 105 2607	MT-GLAZE 22 JA 1/16W
R369	401 105 0603	MT-GLAZE 10K JA 1/16W	R502	401 105 2607	MT-GLAZE 22 JA 1/16W
R372	401 105 0603	MT-GLAZE 10K JA 1/16W	R503	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R374	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R504	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R375	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R505	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R376	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R506	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R377	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R507	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R378	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R603	401 105 0405	MT-GLAZE 100 JA 1/16W

Key No.	Part No.	Description
R616	401 105 3901	MT-GLAZE 33 JA 1/16W
R617	401 105 3901	MT-GLAZE 33 JA 1/16W
R619	401 105 3901	MT-GLAZE 33 JA 1/16W
R620	401 105 0504	MT-GLAZE 1K JA 1/16W
R621	401 105 0603	MT-GLAZE 10K JA 1/16W
R624	401 113 7106	MT-GLAZE 24K JA 1/16W
R626	401 105 0405	MT-GLAZE 100 JA 1/16W
R627	401 105 0405	MT-GLAZE 100 JA 1/16W
R628	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R629	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R631	401 105 3901	MT-GLAZE 33 JA 1/16W
R632	401 105 3901	MT-GLAZE 33 JA 1/16W
R635	401 105 3901	MT-GLAZE 33 JA 1/16W
R636	401 105 3901	MT-GLAZE 33 JA 1/16W
R639	401 105 0405	MT-GLAZE 100 JA 1/16W
R640	401 105 5301	MT-GLAZE 4.7K JA 1/16W
R642	401 105 0603	MT-GLAZE 10K JA 1/16W
R643	401 105 0405	MT-GLAZE 100 JA 1/16W
R644	401 105 0405	MT-GLAZE 100 JA 1/16W
R678	645 025 7797	INDUCTOR,120 OHM
R679	645 025 7797	INDUCTOR,120 OHM
R680	401 105 6407	MT-GLAZE 68 JA 1/16W
R681	401 105 6407	MT-GLAZE 68 JA 1/16W
R682	401 105 6407	MT-GLAZE 68 JA 1/16W
R683	645 025 7797	INDUCTOR,120 OHM
R684	645 025 7797	INDUCTOR,120 OHM
R685	645 025 7797	INDUCTOR,120 OHM
R686	645 025 7797	INDUCTOR,120 OHM
R687	645 025 7797	INDUCTOR,120 OHM
R688	645 025 7797	INDUCTOR,120 OHM
R689	645 025 7797	INDUCTOR,120 OHM
R690	645 025 7797	INDUCTOR,120 OHM
R691	645 025 7797	INDUCTOR,120 OHM
R692	645 025 7797	INDUCTOR,120 OHM
R693	645 025 7797	INDUCTOR,120 OHM
R694	645 025 7797	INDUCTOR,120 OHM
R695	645 025 7797	INDUCTOR,120 OHM
R696	645 025 7797	INDUCTOR,120 OHM
R697	645 025 7797	INDUCTOR,120 OHM
R698	645 025 7797	INDUCTOR,120 OHM
R699	645 025 7797	INDUCTOR,120 OHM
R7016	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R7017	401 105 0504	MT-GLAZE 1K JA 1/16W
R7018	401 105 5301	MT-GLAZE 4.7K JA 1/16W
R7019	401 105 5905	MT-GLAZE 560 JA 1/16W
R7020	401 105 6001	MT-GLAZE 5.6K JA 1/16W
R7021	401 105 0504	MT-GLAZE 1K JA 1/16W
R7022	401 105 2706	MT-GLAZE 220 JA 1/16W
R7023	401 105 5202	MT-GLAZE 470 JA 1/16W
R7024	401 105 0900	MT-GLAZE 120 JA 1/16W
R7025	401 105 5103	MT-GLAZE 47 JA 1/16W
R7026	401 105 0504	MT-GLAZE 1K JA 1/16W
R7027	401 105 0504	MT-GLAZE 1K JA 1/16W
R7028	401 105 5301	MT-GLAZE 4.7K JA 1/16W
R7029	401 105 5905	MT-GLAZE 560 JA 1/16W
R703	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R7030	401 105 6001	MT-GLAZE 5.6K JA 1/16W
R7031	401 105 0504	MT-GLAZE 1K JA 1/16W
R7032	401 105 2706	MT-GLAZE 220 JA 1/16W
R7033	401 105 2706	MT-GLAZE 220 JA 1/16W
R7034	401 105 5202	MT-GLAZE 470 JA 1/16W
R7035	401 105 5103	MT-GLAZE 47 JA 1/16W
R7036	401 105 0504	MT-GLAZE 1K JA 1/16W
R704	401 105 4106	MT-GLAZE 3.3K JA 1/16W
R705	401 105 4106	MT-GLAZE 3.3K JA 1/16W
R7050	401 105 2805	MT-GLAZE 2.2K JA 1/16W
R7051	401 105 4809	MT-GLAZE 390K JA 1/16W
R7052	401 105 4106	MT-GLAZE 3.3K JA 1/16W
R7053	401 105 6001	MT-GLAZE 5.6K JA 1/16W
R7054	401 105 0405	MT-GLAZE 100 JA 1/16W
R7055	401 105 2805	MT-GLAZE 2.2K JA 1/16W
R7056	401 105 5905	MT-GLAZE 560 JA 1/16W
R7058	401 105 3307	MT-GLAZE 2.7K JA 1/16W
R7059	401 105 2805	MT-GLAZE 2.2K JA 1/16W
R706	401 105 4106	MT-GLAZE 3.3K JA 1/16W
R7061	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R707	401 105 4106	MT-GLAZE 3.3K JA 1/16W
R7080	401 105 0603	MT-GLAZE 10K JA 1/16W
R710	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R7103	401 105 5202	MT-GLAZE 470 JA 1/16W
R7104	401 105 5202	MT-GLAZE 470 JA 1/16W
R711	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R7110	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R7115	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R7120	401 105 0504	MT-GLAZE 1K JA 1/16W
R7125	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R7128	401 105 0405	MT-GLAZE 100 JA 1/16W
R7129	401 105 0405	MT-GLAZE 100 JA 1/16W
R7130	401 105 0405	MT-GLAZE 100 JA 1/16W
R7135	401 105 0405	MT-GLAZE 100 JA 1/16W
R714	401 105 0603	MT-GLAZE 10K JA 1/16W
R7145	401 105 5202	MT-GLAZE 470 JA 1/16W
R715	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R716	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R721	401 105 2607	MT-GLAZE 22 JA 1/16W
R722	401 105 2607	MT-GLAZE 22 JA 1/16W
R724	401 105 0504	MT-GLAZE 1K JA 1/16W
R725	401 105 2607	MT-GLAZE 22 JA 1/16W
R751	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R752	401 105 2607	MT-GLAZE 22 JA 1/16W
R753	401 105 2607	MT-GLAZE 22 JA 1/16W
R754	401 035 4108	MT-GLAZE 0.000 ZA 1/8W
R756	401 035 4108	MT-GLAZE 0.000 ZA 1/8W
R757	401 035 4108	MT-GLAZE 0.000 ZA 1/8W

Key No.	Part No.	Description
R767	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R768	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R771	401 105 0306	MT-GLAZE 10 JA 1/16W
R772	401 105 0306	MT-GLAZE 10 JA 1/16W
R773	401 105 2607	MT-GLAZE 22 JA 1/16W
R774	401 105 2607	MT-GLAZE 22 JA 1/16W
R775	401 105 2607	MT-GLAZE 22 JA 1/16W
R806	401 105 2904	MT-GLAZE 22K JA 1/16W
R820	401 105 0603	MT-GLAZE 10K JA 1/16W
R8903	401 105 1105	MT-GLAZE 12K JA 1/16W
R8904	401 105 0603	MT-GLAZE 10K JA 1/16W
R8905	401 105 0603	MT-GLAZE 10K JA 1/16W
R8960	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R8971	401 105 1709	MT-GLAZE 150K JA 1/16W
R8972	401 105 5905	MT-GLAZE 560 JA 1/16W
R8977	401 105 5806	MT-GLAZE 56 JA 1/16W
R8978	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R8979	401 105 0504	MT-GLAZE 1K JA 1/16W
R936	401 105 3307	MT-GLAZE 2.7K JA 1/16W
R937	401 105 4106	MT-GLAZE 3.3K JA 1/16W
R938	401 105 3307	MT-GLAZE 2.7K JA 1/16W
R940	401 105 2805	MT-GLAZE 2.2K JA 1/16W
R941	401 105 5905	MT-GLAZE 560 JA 1/16W
R942	401 105 4106	MT-GLAZE 3.3K JA 1/16W
R944	401 105 2805	MT-GLAZE 2.2K JA 1/16W
R945	401 105 5905	MT-GLAZE 560 JA 1/16W
R947	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R949	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R956	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R962	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R964	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R966	401 105 2805	MT-GLAZE 2.2K JA 1/16W
R967	401 105 2805	MT-GLAZE 2.2K JA 1/16W
R968	401 105 2805	MT-GLAZE 2.2K JA 1/16W
R969	401 105 2805	MT-GLAZE 2.2K JA 1/16W
R971	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R972	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R973	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R974	401 105 2805	MT-GLAZE 2.2K JA 1/16W
R977	401 105 5806	MT-GLAZE 56 JA 1/16W
R978	401 105 2805	MT-GLAZE 2.2K JA 1/16W
R981	401 105 5806	MT-GLAZE 56 JA 1/16W
R982	401 105 5806	MT-GLAZE 56 JA 1/16W
R984	401 105 2805	MT-GLAZE 2.2K JA 1/16W
R985	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R986	401 105 2607	MT-GLAZE 22 JA 1/16W
R987	401 105 2607	MT-GLAZE 22 JA 1/16W
R988	401 105 1501	MT-GLAZE 1.5K JA 1/16W
R989	401 105 1501	MT-GLAZE 1.5K JA 1/16W
R990	401 105 0405	MT-GLAZE 100 JA 1/16W
R995	401 105 4601	MT-GLAZE 3.9K JA 1/16W
R996	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R999	401 105 5301	MT-GLAZE 4.7K JA 1/16W
VARIABLE RESISTOR		
VR7001	645 025 7407	VR,SEMI,500 S
TRANSFORMER		
T401	645 040 7703	FILTER,LP 6MHZ
T402	645 040 7703	FILTER,LP 6MHZ
T403	645 040 7703	FILTER,LP 6MHZ
T406	645 040 7703	FILTER,LP 6MHZ
T407	645 040 7703	FILTER,LP 6MHZ
T7003	645 040 7703	FILTER,LP 6MHZ
T7004	645 040 7703	FILTER,LP 6MHZ
T7051	645 040 7703	FILTER,LP 6MHZ
COIL		
L1103	645 020 1776	INDUCTOR,3.3U M
L1104	645 020 1776	INDUCTOR,3.3U M
L1201	645 020 1776	INDUCTOR,3.3U M
L1391	401 035 4108	MT-GLAZE 0.000 ZA 1/8W
L1392	401 035 4108	MT-GLAZE 0.000 ZA 1/8W
L1393	645 024 0669	FILTER,EMI 20PF
L1394	645 024 0669	FILTER,EMI 20PF
L1961	645 025 0637	FILTER,EMI 190PF
L1962	645 025 0637	FILTER,EMI 190PF
L1963	645 024 0669	FILTER,EMI 20PF
L1964	645 024 0669	FILTER,EMI 20PF
L1966	645 024 0669	FILTER,EMI 20PF
L201	645 026 0988	INDUCTOR,2.2U M
L202	645 026 0988	INDUCTOR,2.2U M
L204	645 026 0988	INDUCTOR,2.2U M
L205	645 026 0988	INDUCTOR,2.2U M
L206	645 026 0988	INDUCTOR,2.2U M
L207	645 026 0988	INDUCTOR,2.2U M
L301	645 019 0971	INDUCTOR,600 OHM
L331	645 019 0971	INDUCTOR,600 OHM
L341	645 019 0971	INDUCTOR,600 OHM
L402	645 026 0988	INDUCTOR,2.2U M
L408	645 040 3101	INDUCTOR,3.3U M
	645 026 1008	INDUCTOR,3.3U M
L409	645 040 3101	INDUCTOR,3.3U M
	645 026 1008	INDUCTOR,3.3U M
L410	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
L411	645 026 0988	INDUCTOR,2.2U M
L413	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
L414	645 040 3101	INDUCTOR,3.3U M
	645 026 1008	INDUCTOR,3.3U M
L501	645 020 1776	INDUCTOR,3.3U M
L502	645 020 1776	INDUCTOR,3.3U M
L503	645 020 1776	INDUCTOR,3.3U M
L601	645 020 1776	INDUCTOR,3.3U M
L602	645 020 1776	INDUCTOR,3.3U M
L654	645 023 2978	INDUCTOR,800 OHM
L656	645 037 4500	INDUCTOR,1000 OHM
L7002	645 040 3101	INDUCTOR,3.3U M

Key No.	Part No.	Description
	645 026 1008	INDUCTOR,3.3U M
L7007	645 021 1607	INDUCTOR,10U J
	645 032 8213	INDUCTOR,10U J
L7051	645 040 3101	INDUCTOR,3.3U M
	645 026 1008	INDUCTOR,3.3U M
L7061	645 003 1267	INDUCTOR,120 OHM
L7081	645 040 3101	INDUCTOR,3.3U M
	645 026 1008	INDUCTOR,3.3U M
L7105	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
L7108	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
L7109	645 040 3101	INDUCTOR,3.3U M
	645 026 1008	INDUCTOR,3.3U M
L7110	645 004 6650	INDUCTOR,600 OHM
L7111	645 004 6650	INDUCTOR,600 OHM
L7112	645 040 3101	INDUCTOR,3.3U M
	645 026 1008	INDUCTOR,3.3U M
L7119	645 021 1621	INDUCTOR,15U J
	645 030 5627	INDUCTOR,15U J
L7120	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
L7121	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
L7122	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
L7123	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
L752	645 019 0971	INDUCTOR,600 OHM
L753	645 019 0971	INDUCTOR,600 OHM
L754	645 019 0971	INDUCTOR,600 OHM
L8903	645 040 3101	INDUCTOR,3.3U M
	645 026 1008	INDUCTOR,3.3U M
L8920	645 025 7797	INDUCTOR,120 OHM
L8923	645 025 7797	INDUCTOR,120 OHM
L8924	645 025 7797	INDUCTOR,120 OHM
L8929	645 040 3101	INDUCTOR,3.3U M
	645 026 1008	INDUCTOR,3.3U M
L8970	645 040 3101	INDUCTOR,3.3U M
	645 026 1008	INDUCTOR,3.3U M
L991	645 020 1776	INDUCTOR,3.3U M
DIODE		
D1851	407 149 0807	DIODE 1SS355-TE-17
D1852	407 149 0807	DIODE 1SS355-TE-17
D1951	407 201 2701	DIODE RB051L-40-TE25
D1952	407 201 2701	DIODE RB051L-40-TE25
D201	407 004 1000	DIODE DCC010-TB
D202	407 004 1000	DIODE DCC010-TB
D301	407 187 7400	ZENER DIODE UDZ3.0B-TE-17
D302	407 149 0807	DIODE 1SS355-TE-17
D601	407 187 7400	ZENER DIODE UDZ3.0B-TE-17
D602	407 149 0807	DIODE 1SS355-TE-17
D603	407 004 1000	DIODE DCC010-TB
D604	407 004 1000	DIODE DCC010-TB
D7080	407 004 1000	DIODE DCC010-TB
D7081	407 004 1000	DIODE DCC010-TB
D7082	407 187 7400	ZENER DIODE UDZ3.0B-TE-17
D7083	407 149 0807	DIODE 1SS355-TE-17
D961	407 201 2701	DIODE RB051L-40-TE25
D962	407 201 2701	DIODE RB051L-40-TE25
D963	407 201 2701	DIODE RB051L-40-TE25
D991	407 201 2701	DIODE RB051L-40-TE25
MISCELLANEOUS		
K001	610 009 8053	JACK,PHONE D3.6
K1391	645 007 7456	JACK,PHONE D3.5
K1801	645 037 9956	SOCKET,DIN 9P
K1951	645 050 8011	SOCKET,D-SUB 15P
SC1391	645 045 7449	SURGE-ABSORBER
SC1392	645 045 7449	SURGE-ABSORBER
SC1951	645 045 7449	SURGE-ABSORBER
SC1952	645 045 7449	SURGE-ABSORBER
SC1961	645 045 7449	SURGE-ABSORBER
SC1962	645 045 7449	SURGE-ABSORBER
SC1963	645 045 7449	SURGE-ABSORBER
SC1964	645 045 7449	SURGE-ABSORBER
SC1966	645 045 7449	SURGE-ABSORBER
X302	645 036 3788	OSC,CRISTAL,16.000MHZ
X331	645 037 9352	OSC,CRYSTAL 24.000MHZ
X401	645 034 6118	OSC,CRYSTAL 20.250MHZ
X501	645 029 2514	OSC,CRYSTAL 27.0MHZ
X7135	645 045 9122	OSC,CRYSTAL 20MHZ
610 297 0005 ASSY,PWB,SUB-CPU J3BL 1AA0B10N021BA		
TRANSISTOR		
Q001	405 014 4509	TR 2SC2412K T146 R
	405 014 4608	TR 2SC2412K T146 S
	405 015 8704	TR 2SC2812-L6-TB
	405 015 8902	TR 2SC2812-L7-TB
	405 163 1602	TR 2SC2812N-L6-TB0
	405 163 1701	TR 2SC2812N-L7-TB0
Q002	405 014 4509	TR 2SC2412K T146 R
	405 014 4608	TR 2SC2412K T146 S
	405 015 8704	TR 2SC2812-L6-TB
	405 015 8902	TR 2SC2812-L7-TB
	405 163 1602	TR 2SC2812N-L6-TB0
	405 163 1701	TR 2SC2812N-L7-TB0
Q003	405 014 4509	TR 2SC2412K T146 R
	405 014 4608	TR 2SC2412K T146 S
	405 015 8704	TR 2SC2812-L6-TB
	405 015 8902	TR 2SC2812-L7-TB
	405 163 1602	TR 2SC2812N-L6-TB0
	405 163 1701	TR 2SC2812N-L7-TB0
Q004	405 014 4509	TR 2SC2412K T146 R
	405 014 4608	TR 2SC2412K T146 S
	405 015 8704	TR 2SC2812-L6-TB
	405 015 8902	TR 2SC2812-L7-TB
	405 163 1602	TR 2SC2812N-L6-TB0
	405 163 1701	TR 2SC2812N-L7-TB0
Q005	405 014 4509	TR 2SC2412K T146 R
	405 014 4608	TR 2SC2412K T146 S
	405 015 8704	TR 2SC2812-L6-TB

Key No.	Part No.	Description
	405 015 8902	TR 2SC2812-L7-TB
	405 163 1602	TR 2SC2812N-L6-TB0
	405 163 1701	TR 2SC2812N-L7-TB0
Q006	405 014 4509	TR 2SC2412K T146 R
	405 014 4608	TR 2SC2412K T146 S
	405 015 8704	TR 2SC2812-L6-TB
	405 015 8902	TR 2SC2812-L7-TB
	405 163 1602	TR 2SC2812N-L6-TB0
	405 163 1701	TR 2SC2812N-L7-TB0
Q009	405 014 4509	TR 2SC2412K T146 R
	405 014 4608	TR 2SC2412K T146 S
	405 015 8704	TR 2SC2812-L6-TB
	405 015 8902	TR 2SC2812-L7-TB
	405 163 1602	TR 2SC2812N-L6-TB0
	405 163 1701	TR 2SC2812N-L7-TB0
Q010	405 014 4509	TR 2SC2412K T146 R
	405 014 4608	TR 2SC2412K T146 S
	405 015 8704	TR 2SC2812-L6-TB
	405 015 8902	TR 2SC2812-L7-TB
	405 163 1602	TR 2SC2812N-L6-TB0
	405 163 1701	TR 2SC2812N-L7-TB0
Q1821	405 148 2907	TR 2SC5103 TL P
	405 148 3003	TR 2SC5103 TL Q
Q1822	405 148 2907	TR 2SC5103 TL P
	405 148 3003	TR 2SC5103 TL Q
Q1824	405 014 4509	TR 2SC2412K T146 R
	405 014 4608	TR 2SC2412K T146 S
	405 015 8704	TR 2SC2812-L6-TB
	405 015 8902	TR 2SC2812-L7-TB
	405 163 1602	TR 2SC2812N-L6-TB0
	405 163 1701	TR 2SC2812N-L7-TB0
Q831	405 014 4509	TR 2SC2412K T146 R
	405 014 4608	TR 2SC2412K T146 S
	405 015 8704	TR 2SC2812-L6-TB
	405 015 8902	TR 2SC2812-L7-TB
	405 163 1602	TR 2SC2812N-L6-TB0
	405 163 1701	TR 2SC2812N-L7-TB0
Q832	405 134 5905	TR 2SA1037AK-T146-R
	405 147 2205	TR 2SA1037AK-S-T146
	405 002 0308	TR 2SA1037K T146 R
	405 002 0407	TR 2SA1037K T146 S
	405 002 6706	TR 2SA1179-M6-TB
	405 002 6904	TR 2SA1179-M7-TB
	405 163 1503	TR 2SA1179N-M6-TB
	405 163 2708	TR 2SA1179N-M7-TB
Q852	405 014 4509	TR 2SC2412K T146 R
	405 014 4608	TR 2SC2412K T146 S
	405 015 8704	TR 2SC2812-L6-TB
	405 015 8902	TR 2SC2812-L7-TB
	405 163 1602	TR 2SC2812N-L6-TB0
	405 163 1701	TR 2SC2812N-L7-TB0
Q853	405 014 4509	TR 2SC2412K T146 R
	405 014 4608	TR 2SC2412K T146 S
	405 015 8704	TR 2SC2812-L6-TB
	405 015 8902	TR 2SC2812-L7-TB
	405 163 1602	TR 2SC2812N-L6-TB0
	405 163 1701	TR 2SC2812N-L7-TB0
Q856	405 014 4509	TR 2SC2412K T146 R
	405 014 4608	TR 2SC2412K T146 S
	405 015 8704	TR 2SC2812-L6-TB
	405 015 8902	TR 2SC2812-L7-TB
	405 163 1602	TR 2SC2812N-L6-TB0
	405 163 1701	TR 2SC2812N-L7-TB0
Q857	405 014 4509	TR 2SC2412K T146 R
	405 014 4608	TR 2SC2412K T146 S
	405 015 8704	TR 2SC2812-L6-TB
	405 015 8902	TR 2SC2812-L7-TB
	405 163 1602	TR 2SC2812N-L6-TB0
	405 163 1701	TR 2SC2812N-L7-TB0
Q858	405 014 4509	TR 2SC2412K T146 R
	405 014 4608	TR 2SC2412K T146 S
	405 015 8704	TR 2SC2812-L6-TB
	405 015 8902	TR 2SC2812-L7-TB
	405 163 1602	TR 2SC2812N-L6-TB0
	405 163 1701	TR 2SC2812N-L7-TB0
Q859	405 014 4509	TR 2SC2412K T146 R
	405 014 4608	TR 2SC2412K T146 S
	405 015 8704	TR 2SC2812-L6-TB
	405 015 8902	TR 2SC2812-L7-TB
	405 163 1602	TR 2SC2812N-L6-TB0
	405 163 1701	TR 2SC2812N-L7-TB0
INTEGRATED CIRCUIT		
IC001	409 500 3007	IC CXA2013M
IC002	409 405 6004	IC MM1369BD
IC003	409 387 0908	IC BA4558F-E2
	409 039 7804	IC NJM4558M-TE2
IC004	409 387 0908	IC BA4558F-E2
	409 039 7804	IC NJM4558M-TE2
IC031	409 074 1300	IC M5216L
IC071	409 500 5506	IC TA1101B
IC101	409 437 4702	IC L88M05TL-TL
IC121	409 501 0401	IC NJM2155M
IC1821A	409 517 2000	IC W78E52BP-24
IC1821TM	410 435 5707	IC W78E52BP-24-J3DA-B
IC1822	409 509 4005	IC PST573DM
IC1823	409 039 6609	IC NJM2904-T2
IC344	409 400 7105	IC TC7W53FU-(TE12L)
IC801	410 442 1204	IC LC87F5164A-B969BS
	410 442 1709	IC LC87F5164A-B969B
IC801A	410 378 5109	IC LC87F5164A
IC802	409 344 1900	IC MN1382-Q-TX
IC807	409 155 8006	IC TC7S04F-TE85L
IC808	409 392 7503	IC 24LC08BT/SN
IC809	409 397 3005	IC TC7SET04FU-(TE85L)

Key No.	Part No.	Description
IC811	409 397 3005	IC TC7SET04FU-(TE85L)
IC812	409 397 3005	IC TC7SET04FU-(TE85L)
IC816	409 434 8109	IC TC4053BFT-(EL)
IC821	409 438 5609	IC TC74ACT08FT
CAPACITOR		
C001	403 343 3408	ELECT 10U M 25V
C002	403 346 8509	ELECT 680U M 16V
C003	403 343 3408	ELECT 10U M 25V
C004	403 164 0204	CERAMIC 0.1U Z 25V
C005	403 343 3408	ELECT 10U M 25V
C006	403 338 2300	ELECT 4.7U M 35V
C007	403 338 2300	ELECT 4.7U M 35V
C008	403 338 2300	ELECT 4.7U M 35V
C009	403 338 2300	ELECT 4.7U M 35V
C010	403 155 2309	CERAMIC 4700P K 50V
C011	403 155 2309	CERAMIC 4700P K 50V
C012	403 298 9609	CERAMIC 0.1U K 16V
C013	403 298 9609	CERAMIC 0.1U K 16V
C014	403 345 6605	CERAMIC 1U M 10V
C015	403 345 6605	CERAMIC 1U M 10V
C016	403 267 0606	NP-ELECT 4.7U M 16V
C017	403 157 7302	CERAMIC 6800P K 50V
C018	403 298 9609	CERAMIC 0.1U K 16V
C019	403 113 3805	CERAMIC 1000P K 50V
C020	403 330 7709	ELECT 47U M 25V
C021	403 330 7709	ELECT 47U M 25V
C022	403 358 8603	ELECT 2.2U M 50V
C023	403 330 7709	ELECT 47U M 25V
C024	403 282 1107	NP-ELECT 10U M 16V
C025	403 282 1107	NP-ELECT 10U M 16V
C026	403 215 2201	CERAMIC 0.01U K 50V
C027	403 215 2201	CERAMIC 0.01U K 50V
C028	403 215 2201	CERAMIC 0.01U K 50V
C029	403 215 2201	CERAMIC 0.01U K 50V
C030	403 113 3805	CERAMIC 1000P K 50V
C031	403 298 9609	CERAMIC 0.1U K 16V
C032	403 157 7302	CERAMIC 6800P K 50V
C033	403 267 0606	NP-ELECT 4.7U M 16V
C034	403 149 9208	CERAMIC 0.01U Z 50V
C035	403 321 7404	ELECT 100U M 16V
C036	403 345 6605	CERAMIC 1U M 10V
C037	403 345 6605	CERAMIC 1U M 10V
C038	403 321 7404	ELECT 100U M 16V
C041	403 164 0204	CERAMIC 0.1U Z 25V
C042	403 346 8509	ELECT 680U M 16V
C044	403 330 7709	ELECT 47U M 25V
C045	403 352 6308	ELECT 1U M 50V
C046	403 330 7709	ELECT 47U M 25V
C048	403 352 6308	ELECT 1U M 50V
C049	403 353 2705	ELECT 22U M 25V
C050	403 157 6602	CERAMIC 470P K 50V
C051	403 321 7503	ELECT 220U M 16V
C052	403 321 7404	ELECT 100U M 16V
C053	403 215 2201	CERAMIC 0.01U K 50V
C054	403 321 7404	ELECT 100U M 16V
C055	403 215 2201	CERAMIC 0.01U K 50V
C056	403 282 1107	NP-ELECT 10U M 16V
C057	403 282 1107	NP-ELECT 10U M 16V
C058	403 345 6605	CERAMIC 1U M 10V
C059	403 267 0606	NP-ELECT 4.7U M 16V
C060	403 267 0606	NP-ELECT 4.7U M 16V
C061	403 321 7404	ELECT 100U M 16V
C062	403 149 9208	CERAMIC 0.01U Z 50V
C063	403 215 2904	CERAMIC 0.022U K 25V
C064	403 343 3408	ELECT 10U M 25V
C065	403 338 0108	CERAMIC 0.039U K 25V
C066	403 215 2102	CERAMIC 8200P K 50V
C067	403 353 2705	ELECT 22U M 25V
C069	403 298 9609	CERAMIC 0.1U K 16V
C071	403 157 7302	CERAMIC 6800P K 50V
C072	403 157 7302	CERAMIC 6800P K 50V
C073	403 343 4900	ELECT 470U M 25V
C074	403 164 0204	CERAMIC 0.1U Z 25V
C077	403 298 9609	CERAMIC 0.1U K 16V
C078	403 348 5803	CERAMIC 0.47U K 10V
C079	403 321 7404	ELECT 100U M 16V
C080	403 348 5803	CERAMIC 0.47U K 10V
C081	403 348 5803	CERAMIC 0.47U K 10V
C082	403 164 0204	CERAMIC 0.1U Z 25V
C083	403 345 6605	CERAMIC 1U M 10V
C084	403 164 0204	CERAMIC 0.1U Z 25V
C085	403 348 5803	CERAMIC 0.47U K 10V
C086	403 348 5803	CERAMIC 0.47U K 10V
C087	403 164 0204	CERAMIC 0.1U Z 25V
C088	403 345 6605	CERAMIC 1U M 10V
C089	403 164 0204	CERAMIC 0.1U Z 25V
C090	403 348 5803	CERAMIC 0.47U K 10V
C091	403 325 6304	CERAMIC 0.22U K 10V
C092	403 325 6304	CERAMIC 0.22U K 10V
C093	403 325 6304	CERAMIC 0.22U K 10V
C094	403 325 6304	CERAMIC 0.22U K 10V
C095	403 353 2705	ELECT 22U M 25V
C097	403 348 5803	CERAMIC 0.47U K 10V
C098	403 348 5803	CERAMIC 0.47U K 10V
C099	403 345 6605	CERAMIC 1U M 10V
C100	403 164 0204	CERAMIC 0.1U Z 25V
C109	403 343 4900	ELECT 470U M 25V
C110	403 164 0204	CERAMIC 0.1U Z 25V
C111	403 321 7503	ELECT 220U M 16V
C121	403 282 1107	NP-ELECT 10U M 16V
C122	403 155 2200	CERAMIC 3300P K 50V
C123	403 281 5007	CERAMIC 0.033U K 25V
C124	403 338 2300	ELECT 4.7U M 35V
C125	403 343 3408	ELECT 10U M 25V

Key No.	Part No.	Description
C126	403 343 3408	ELECT 10U M 25V
C127	403 343 3408	ELECT 10U M 25V
C128	403 343 3408	ELECT 10U M 25V
C129	403 343 3408	ELECT 10U M 25V
C130	403 321 7404	ELECT 100U M 16V
C131	403 325 6304	CERAMIC 0.22U K 10V
C132	403 325 6304	CERAMIC 0.22U K 10V
C133	403 342 3300	CERAMIC 0.1U K 25V
C134	403 338 2300	ELECT 4.7U M 35V
C135	403 281 5007	CERAMIC 0.033U K 25V
C136	403 155 2200	CERAMIC 3300P K 50V
C137	403 282 1107	NP-ELECT 10U M 16V
C1820	403 149 9208	CERAMIC 0.01U Z 50V
C1821	403 283 6309	CERAMIC 1U Z 10V
C1822	403 283 6309	CERAMIC 1U Z 10V
C1823	403 283 6309	CERAMIC 1U Z 10V
C1824	403 164 0204	CERAMIC 0.1U Z 25V
C1825	403 321 7503	ELECT 220U M 16V
C1827	403 149 9208	CERAMIC 0.01U Z 50V
C1828	403 321 7503	ELECT 220U M 16V
C1829	403 321 7503	ELECT 220U M 16V
C1831	403 343 3408	ELECT 10U M 25V
C1835	403 164 0204	CERAMIC 0.1U Z 25V
C1836	403 321 7404	ELECT 100U M 16V
C1837	403 164 0204	CERAMIC 0.1U Z 25V
C1839	403 164 0204	CERAMIC 0.1U Z 25V
C1840	403 164 0204	CERAMIC 0.1U Z 25V
C1841	403 343 3408	ELECT 10U M 25V
C661	403 164 0204	CERAMIC 0.1U Z 25V
C663	403 321 7503	ELECT 220U M 16V
C664	403 164 0204	CERAMIC 0.1U Z 25V
C665	403 321 7503	ELECT 220U M 16V
C666	403 149 9208	CERAMIC 0.01U Z 50V
C667	403 343 4900	ELECT 470U M 25V
C668	403 321 7503	ELECT 220U M 16V
C669	403 149 9208	CERAMIC 0.01U Z 50V
C801	403 149 9208	CERAMIC 0.01U Z 50V
C802	403 149 9208	CERAMIC 0.01U Z 50V
C803	403 149 9208	CERAMIC 0.01U Z 50V
C804	403 164 0204	CERAMIC 0.1U Z 25V
C809	403 139 7306	CERAMIC 18P J 50V
C811	403 157 2307	CERAMIC 20P J 50V
C812	403 345 6605	CERAMIC 1U M 10V
C813	403 164 0204	CERAMIC 0.1U Z 25V
C814	403 149 9208	CERAMIC 0.01U Z 50V
C816	403 343 3408	ELECT 10U M 25V
C819	403 149 9208	CERAMIC 0.01U Z 50V
C821	403 343 3408	ELECT 10U M 25V
C826	403 343 3408	ELECT 10U M 25V
C827	403 149 9208	CERAMIC 0.01U Z 50V
C829	403 283 6309	CERAMIC 1U Z 10V
C831	403 113 4109	CERAMIC 2200P K 50V
C850	403 164 0204	CERAMIC 0.1U Z 25V
C851	403 343 3408	ELECT 10U M 25V
C860	403 283 6309	CERAMIC 1U Z 10V
RESISTOR		
R001	401 105 0405	MT-GLAZE 100 JA 1/16W
R002	401 105 0405	MT-GLAZE 100 JA 1/16W
R003	401 105 5103	MT-GLAZE 47 JA 1/16W
R005	401 105 6506	MT-GLAZE 680 JA 1/16W
R006	401 105 1501	MT-GLAZE 1.5K JA 1/16W
R008	401 105 5103	MT-GLAZE 47 JA 1/16W
R009	401 105 6506	MT-GLAZE 680 JA 1/16W
R010	401 105 1501	MT-GLAZE 1.5K JA 1/16W
R011	401 105 4601	MT-GLAZE 3.9K JA 1/16W
R012	401 105 4601	MT-GLAZE 3.9K JA 1/16W
R013	401 105 4700	MT-GLAZE 39K JA 1/16W
R014	401 105 0603	MT-GLAZE 10K JA 1/16W
R015	401 113 6604	MT-GLAZE 7.5K JA 1/16W
R016	401 105 3406	MT-GLAZE 27K JA 1/16W
R017	401 105 6605	MT-GLAZE 6.8K JA 1/16W
R018	401 105 6605	MT-GLAZE 6.8K JA 1/16W
R019	401 105 8203	MT-GLAZE 68K JA 1/16W
R022	401 105 8203	MT-GLAZE 68K JA 1/16W
R025	401 105 5103	MT-GLAZE 47 JA 1/16W
R026	401 105 5103	MT-GLAZE 47 JA 1/16W
R027	401 105 2904	MT-GLAZE 22K JA 1/16W
R028	401 105 2904	MT-GLAZE 22K JA 1/16W
R029	401 105 0603	MT-GLAZE 10K JA 1/16W
R030	401 105 6605	MT-GLAZE 6.8K JA 1/16W
R031	401 105 8203	MT-GLAZE 68K JA 1/16W
R032	401 105 0603	MT-GLAZE 10K JA 1/16W
R033	401 105 8005	MT-GLAZE 1M JA 1/16W
R034	401 105 6605	MT-GLAZE 6.8K JA 1/16W
R035	401 105 8203	MT-GLAZE 68K JA 1/16W
R036	401 260 4003	MT-GLAZE 68 JA 1/3W
R037	401 105 0504	MT-GLAZE 1K JA 1/16W
R038	401 105 6605	MT-GLAZE 6.8K JA 1/16W
R039	401 105 6605	MT-GLAZE 6.8K JA 1/16W
R040	401 258 9904	MT-GLAZE 10 JA 1/3W
R041	401 105 0504	MT-GLAZE 1K JA 1/16W
R042	401 105 8005	MT-GLAZE 1M JA 1/16W
R051	401 105 5301	MT-GLAZE 4.7K JA 1/16W
R052	401 105 5301	MT-GLAZE 4.7K JA 1/16W
R053	401 105 5301	MT-GLAZE 4.7K JA 1/16W
R054	401 105 0603	MT-GLAZE 10K JA 1/16W
R055	401 105 5301	MT-GLAZE 4.7K JA 1/16W
R056	401 105 0504	MT-GLAZE 1K JA 1/16W
R057	401 105 8104	MT-GLAZE 56K JA 1/16W
R058	401 105 5400	MT-GLAZE 47K JA 1/16W
R059	401 105 0504	MT-GLAZE 1K JA 1/16W
R061	401 105 5806	MT-GLAZE 56 JA 1/16W
R062	401 105 8104	MT-GLAZE 56K JA 1/16W
R063	401 105 6001	MT-GLAZE 5.6K JA 1/16W

Key No.	Part No.	Description
R064	401 105 7305	MT-GLAZE 820 JA 1/16W
R065	401 105 0603	MT-GLAZE 10K JA 1/16W
R070	401 105 2607	MT-GLAZE 22 JA 1/16W
R071	401 105 1501	MT-GLAZE 1.5K JA 1/16W
R072	401 105 1501	MT-GLAZE 1.5K JA 1/16W
R075	401 105 7404	MT-GLAZE 8.2K JA 1/16W
R076	401 105 3307	MT-GLAZE 2.7K JA 1/16W
R077	401 105 0603	MT-GLAZE 10K JA 1/16W
R078	401 105 3307	MT-GLAZE 2.7K JA 1/16W
R079	401 105 0603	MT-GLAZE 10K JA 1/16W
R080	401 258 9904	MT-GLAZE 10 JA 1/3W
R081	401 258 9904	MT-GLAZE 10 JA 1/3W
R082	401 105 0603	MT-GLAZE 10K JA 1/16W
R083	401 105 0603	MT-GLAZE 10K JA 1/16W
R084	401 105 0603	MT-GLAZE 10K JA 1/16W
R086	401 105 0504	MT-GLAZE 1K JA 1/16W
R088	401 105 3406	MT-GLAZE 27K JA 1/16W
R090	401 105 0603	MT-GLAZE 10K JA 1/16W
R095	401 105 0603	MT-GLAZE 10K JA 1/16W
R099	401 105 2904	MT-GLAZE 22K JA 1/16W
R121	401 105 0603	MT-GLAZE 10K JA 1/16W
R122	401 105 0603	MT-GLAZE 10K JA 1/16W
R123	401 105 0603	MT-GLAZE 10K JA 1/16W
R124	401 105 0603	MT-GLAZE 10K JA 1/16W
R125	401 105 8104	MT-GLAZE 56K JA 1/16W
R126	401 105 2102	MT-GLAZE 18K JA 1/16W
R127	401 105 3406	MT-GLAZE 27K JA 1/16W
R128	401 105 4502	MT-GLAZE 390 JA 1/16W
R129	401 105 0504	MT-GLAZE 1K JA 1/16W
R1821	401 105 0603	MT-GLAZE 10K JA 1/16W
R1822	401 105 0603	MT-GLAZE 10K JA 1/16W
R1823	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1824	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1825	401 105 0603	MT-GLAZE 10K JA 1/16W
R1826	401 105 0603	MT-GLAZE 10K JA 1/16W
R1827	401 105 0603	MT-GLAZE 10K JA 1/16W
R1828	401 105 0702	MT-GLAZE 100K JA 1/16W
R1830	401 105 1709	MT-GLAZE 150K JA 1/16W
R1831	401 105 0504	MT-GLAZE 1K JA 1/16W
R1832	401 105 0504	MT-GLAZE 1K JA 1/16W
R1836	401 105 4106	MT-GLAZE 3.3K JA 1/16W
R1837	401 105 4106	MT-GLAZE 3.3K JA 1/16W
R1843	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1845	401 105 0603	MT-GLAZE 10K JA 1/16W
R1846	401 105 0603	MT-GLAZE 10K JA 1/16W
R1847	401 105 0603	MT-GLAZE 10K JA 1/16W
R1848	401 105 0603	MT-GLAZE 10K JA 1/16W
R1849	401 105 0603	MT-GLAZE 10K JA 1/16W
R1850	401 105 0603	MT-GLAZE 10K JA 1/16W
R1871	401 105 4304	MT-GLAZE 330K JA 1/16W
R1872	401 105 8005	MT-GLAZE 1M JA 1/16W
R1873	401 105 0306	MT-GLAZE 10 JA 1/16W
R1874	401 105 0504	MT-GLAZE 1K JA 1/16W
R1876	401 105 0603	MT-GLAZE 10K JA 1/16W
R1877	401 105 0603	MT-GLAZE 10K JA 1/16W
R1878	401 105 0603	MT-GLAZE 10K JA 1/16W
R1879	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1881	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1882	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1883	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1889	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1891	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1893	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1894	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1898	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R650	645 025 7797	INDUCTOR,120 OHM
R652	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R655	401 105 4007	MT-GLAZE 330 JA 1/16W
R657	401 105 5905	MT-GLAZE 560 JA 1/16W
R661	401 105 5905	MT-GLAZE 560 JA 1/16W
R801	401 105 2607	MT-GLAZE 22 JA 1/16W
R802	401 105 2607	MT-GLAZE 22 JA 1/16W
R803	401 105 0504	MT-GLAZE 1K JA 1/16W
R804	401 105 5301	MT-GLAZE 4.7K JA 1/16W
R805	401 105 5301	MT-GLAZE 4.7K JA 1/16W
R807	401 105 0504	MT-GLAZE 1K JA 1/16W
R808	401 105 0405	MT-GLAZE 100 JA 1/16W
R809	401 105 2607	MT-GLAZE 22 JA 1/16W
R810	401 105 0603	MT-GLAZE 10K JA 1/16W
R811	401 105 2607	MT-GLAZE 22 JA 1/16W
R812	401 105 2607	MT-GLAZE 22 JA 1/16W
R813	401 105 0603	MT-GLAZE 10K JA 1/16W
R815	401 105 0603	MT-GLAZE 10K JA 1/16W
R816	401 105 6100	MT-GLAZE 560K JA 1/16W
R817	401 105 5202	MT-GLAZE 470 JA 1/16W
R818	401 105 2904	MT-GLAZE 22K JA 1/16W
R819	401 105 0603	MT-GLAZE 10K JA 1/16W
R821	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R822	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R823	401 105 0603	MT-GLAZE 10K JA 1/16W
R824	401 105 5301	MT-GLAZE 4.7K JA 1/16W
R826	401 105 5301	MT-GLAZE 4.7K JA 1/16W
R827	401 105 5301	MT-GLAZE 4.7K JA 1/16W
R828	401 105 2904	MT-GLAZE 22K JA 1/16W
R829	401 105 5301	MT-GLAZE 4.7K JA 1/16W
R830	401 105 2904	MT-GLAZE 22K JA 1/16W
R831	401 105 5301	MT-GLAZE 4.7K JA 1/16W
R833	401 105 2904	MT-GLAZE 22K JA 1/16W
R834	401 105 2607	MT-GLAZE 22 JA 1/16W
R835	401 105 2904	MT-GLAZE 22K JA 1/16W
R836	401 105 2607	MT-GLAZE 22 JA 1/16W
R837	401 105 0504	MT-GLAZE 1K JA 1/16W
R838	401 105 2607	MT-GLAZE 22 JA 1/16W
R839	401 105 2607	MT-GLAZE 22 JA 1/16W

Key No.	Part No.	Description
R840	401 105 2607	MT-GLAZE 22 JA 1/16W
R841	401 105 2607	MT-GLAZE 22 JA 1/16W
R843	401 105 0603	MT-GLAZE 10K JA 1/16W
R844	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R845	401 105 2607	MT-GLAZE 22 JA 1/16W
R846	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R849	401 105 2607	MT-GLAZE 22 JA 1/16W
R850	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R852	401 105 5301	MT-GLAZE 4.7K JA 1/16W
R853	401 105 5301	MT-GLAZE 4.7K JA 1/16W
R855	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R858	401 105 0603	MT-GLAZE 10K JA 1/16W
R859	401 105 0603	MT-GLAZE 10K JA 1/16W
R860	401 105 0603	MT-GLAZE 10K JA 1/16W
R861	401 105 0603	MT-GLAZE 10K JA 1/16W
R862	401 105 2904	MT-GLAZE 22K JA 1/16W
R863	401 105 2904	MT-GLAZE 22K JA 1/16W
R864	401 105 2904	MT-GLAZE 22K JA 1/16W
R865	401 105 0603	MT-GLAZE 10K JA 1/16W
R866	401 105 0504	MT-GLAZE 1K JA 1/16W
R867	401 105 0504	MT-GLAZE 1K JA 1/16W
R868	401 105 0504	MT-GLAZE 1K JA 1/16W
R869	401 105 0504	MT-GLAZE 1K JA 1/16W
R870	401 105 0504	MT-GLAZE 1K JA 1/16W
R872	401 105 0504	MT-GLAZE 1K JA 1/16W
R873	401 105 0504	MT-GLAZE 1K JA 1/16W
R874	401 105 0504	MT-GLAZE 1K JA 1/16W
R878	401 105 0504	MT-GLAZE 1K JA 1/16W
R879	401 105 0504	MT-GLAZE 1K JA 1/16W
R880	401 105 0603	MT-GLAZE 10K JA 1/16W
R881	401 105 5301	MT-GLAZE 4.7K JA 1/16W
R882	401 105 5301	MT-GLAZE 4.7K JA 1/16W
R884	401 105 5301	MT-GLAZE 4.7K JA 1/16W
R885	401 105 0603	MT-GLAZE 10K JA 1/16W
R886	401 105 5301	MT-GLAZE 4.7K JA 1/16W
R890	401 105 0504	MT-GLAZE 1K JA 1/16W
R891	401 105 0603	MT-GLAZE 10K JA 1/16W
R892	401 105 5400	MT-GLAZE 47K JA 1/16W
R893	401 105 5400	MT-GLAZE 47K JA 1/16W
R894	401 105 5301	MT-GLAZE 4.7K JA 1/16W
R896	401 105 6001	MT-GLAZE 5.6K JA 1/16W
R897	401 105 0603	MT-GLAZE 10K JA 1/16W
R899	401 105 0504	MT-GLAZE 1K JA 1/16W
COIL		
L003	645 026 1008	INDUCTOR,3.3U M
L071	401 035 4108	MT-GLAZE 0.000 ZA 1/8W
L073	645 050 3924	INDUCTOR,10U M
L074	645 050 3924	INDUCTOR,10U M
L075	645 050 3924	INDUCTOR,10U M
L076	645 050 3924	INDUCTOR,10U M
L078	401 035 4108	MT-GLAZE 0.000 ZA 1/8W
L101	645 036 3894	INDUCTOR,220 OHM
L102	645 036 3894	INDUCTOR,220 OHM
L111	401 035 4108	MT-GLAZE 0.000 ZA 1/8W
L112	401 035 4108	MT-GLAZE 0.000 ZA 1/8W
L113	401 035 4108	MT-GLAZE 0.000 ZA 1/8W
L114	401 035 4108	MT-GLAZE 0.000 ZA 1/8W
L1821	645 036 3894	INDUCTOR,220 OHM
L1822	645 026 1008	INDUCTOR,3.3U M
L1823	645 033 7918	INDUCTOR,10U M
L1824	645 026 1008	INDUCTOR,3.3U M
L1825	645 026 1008	INDUCTOR,3.3U M
L611	645 037 4500	INDUCTOR,1000 OHM
L612	645 023 2978	INDUCTOR,800 OHM
L613	645 023 2978	INDUCTOR,800 OHM
L618	645 023 2978	INDUCTOR,800 OHM
L801	645 026 1008	INDUCTOR,3.3U M
L802	645 026 1008	INDUCTOR,3.3U M
L803	645 026 1008	INDUCTOR,3.3U M
L811	401 035 4108	MT-GLAZE 0.000 ZA 1/8W
L812	645 036 3894	INDUCTOR,220 OHM
L813	645 036 3894	INDUCTOR,220 OHM
L814	401 035 4108	MT-GLAZE 0.000 ZA 1/8W
L816	401 035 4108	MT-GLAZE 0.000 ZA 1/8W
L851	645 047 8154	INDUCTOR,390 OHM
L860	645 026 1008	INDUCTOR,3.3U M
DIODE		
D001	407 149 0807	DIODE 1SS355-TE-17
D003	407 149 0807	DIODE 1SS355-TE-17
D004	407 149 0807	DIODE 1SS355-TE-17
D006	407 149 0807	DIODE 1SS355-TE-17
D051	407 149 0807	DIODE 1SS355-TE-17
D055	407 149 0807	DIODE 1SS355-TE-17
D065	407 149 0807	DIODE 1SS355-TE-17
D071	407 201 2701	DIODE RB051L-40-TE25
D072	407 201 2701	DIODE RB051L-40-TE25
D073	407 201 2701	DIODE RB051L-40-TE25
D074	407 201 2701	DIODE RB051L-40-TE25
D075	407 149 0807	DIODE 1SS355-TE-17
D076	407 149 0807	DIODE 1SS355-TE-17
D102	407 149 0807	DIODE 1SS355-TE-17
D121	407 149 0807	DIODE 1SS355-TE-17
D1832	407 149 0807	DIODE 1SS355-TE-17
D1833	407 149 0807	DIODE 1SS355-TE-17
D810	407 149 0807	DIODE 1SS355-TE-17
D851	407 149 0807	DIODE 1SS355-TE-17
MISCELLANEOUS		
X1821	645 042 4557	OSC,CERAMIC 10.0MHZ
X801	645 037 4609	OSC,CRYSTAL 32.768KHZ
X802	645 042 4557	OSC,CERAMIC 10.0MHZ

Key No.	Part No.	Description
610 295 3763 ASSY,PWB,SENS-A J3BA 1AA0B10N0210C		
INTEGRATED CIRCUIT		
IC1981	409 481 8602	IC LM76CHMX-5
CAPACITOR		
C1981	403 283 6309	CERAMIC 1U Z 10V
C1982	403 157 3106	CERAMIC 56P J 50V
C1983	403 157 3106	CERAMIC 56P J 50V
RESISTOR		
R1980	401 105 0306	MT-GLAZE 10 JA 1/16W
R1982	401 105 0306	MT-GLAZE 10 JA 1/16W
R1984	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
610 297 0036 ASSY,PWB,SENS-B J3BL 1AA0B10N021BD		
INTEGRATED CIRCUIT		
IC1991	409 481 8602	IC LM76CHMX-5
CAPACITOR		
C1991	403 283 6309	CERAMIC 1U Z 10V
C1992	403 157 3106	CERAMIC 56P J 50V
C1993	403 157 3106	CERAMIC 56P J 50V
RESISTOR		
R1991	401 105 0306	MT-GLAZE 10 JA 1/16W
R1992	401 105 0306	MT-GLAZE 10 JA 1/16W
R1993	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
610 297 0050 ASSY,PWB,JACK-A J3BL 1AA0B10N021BF		
RESISTOR		
R1503	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1506	401 035 4108	MT-GLAZE 0.000 ZA 1/8W
R1512	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1513	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1517	401 105 0702	MT-GLAZE 100K JA 1/16W
R1518	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1519	401 105 0702	MT-GLAZE 100K JA 1/16W
R1521	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1523	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1533	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1538	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1543	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1545	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1546	401 105 0702	MT-GLAZE 100K JA 1/16W
R1547	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1549	401 105 0702	MT-GLAZE 100K JA 1/16W
R1551	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
COIL		
L1501	645 024 0669	FILTER,EMI 20PF
L1502	645 024 0669	FILTER,EMI 20PF
L1503	645 024 0669	FILTER,EMI 20PF
L1504	645 024 0669	FILTER,EMI 20PF
L1506	645 024 0669	FILTER,EMI 20PF
L1531	645 024 0669	FILTER,EMI 20PF
L1532	645 024 0669	FILTER,EMI 20PF
L1533	645 024 0669	FILTER,EMI 20PF
L1534	645 024 0669	FILTER,EMI 20PF
L1536	645 024 0669	FILTER,EMI 20PF
MISCELLANEOUS		
K1501	645 048 3882	SOCKET,BNC 1P
K1502	645 049 3294	SOCKET,DIN 4P
K1503	645 043 8844	JACK,RCA-1
K1504	645 049 4901	JACK,RCA-2
K1506	645 048 3882	SOCKET,BNC 1P
K1507	645 045 8477	SOCKET,DIN 4P
K1508	645 043 8844	JACK,RCA-1
K1509	645 049 4901	JACK,RCA-2
SC1501	645 045 7449	SURGE-ABSORBER
SC1502	645 045 7449	SURGE-ABSORBER
SC1503	645 045 7449	SURGE-ABSORBER
SC1504	645 045 7449	SURGE-ABSORBER
SC1506	645 045 7449	SURGE-ABSORBER
SC1531	645 045 7449	SURGE-ABSORBER
SC1532	645 045 7449	SURGE-ABSORBER
SC1533	645 045 7449	SURGE-ABSORBER
SC1534	645 045 7449	SURGE-ABSORBER
SC1536	645 045 7449	SURGE-ABSORBER
610 297 0067 ASSY,PWB,JACK-C J3BL 1AA0B10N021BH		
TRANSISTOR		
Q1021	405 014 4509	TR 2SC2412K T146 R
	405 014 4608	TR 2SC2412K T146 S
	405 015 8704	TR 2SC2812-L6-TB
	405 015 8902	TR 2SC2812-L7-TB
	405 163 1602	TR 2SC2812N-L6-TB0
	405 163 1701	TR 2SC2812N-L7-TB0
Q1022	405 014 4509	TR 2SC2412K T146 R
	405 014 4608	TR 2SC2412K T146 S
	405 015 8704	TR 2SC2812-L6-TB
	405 015 8902	TR 2SC2812-L7-TB
	405 163 1602	TR 2SC2812N-L6-TB0
	405 163 1701	TR 2SC2812N-L7-TB0
CAPACITOR		
C1071	403 282 1107	NP-ELECT 10U M 16V
C1073	403 282 1107	NP-ELECT 10U M 16V
C1076	403 345 6605	CERAMIC 1U M 10V
C1077	403 345 6605	CERAMIC 1U M 10V
RESISTOR		
R1015	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1114	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1115	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1119	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1120	401 105 0702	MT-GLAZE 100K JA 1/16W
R1139	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1141	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1145	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1146	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1193	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1194	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1199	401 105 7909	MT-GLAZE 0.000 ZA 1/16W

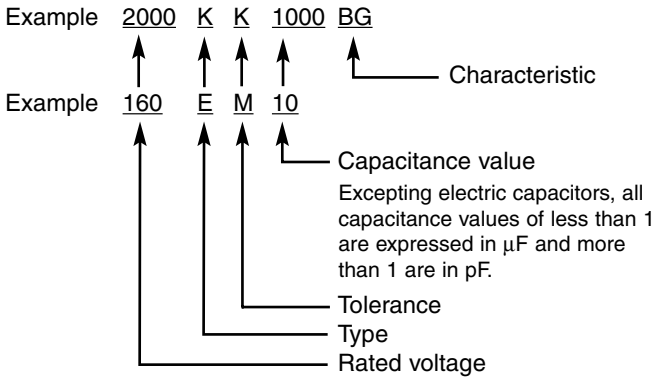
Key No.	Part No.	Description
R1208	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1232	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1233	401 105 5509	MT-GLAZE 470K JA 1/16W
R1235	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1238	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1240	401 105 0702	MT-GLAZE 100K JA 1/16W
R1241	401 105 0702	MT-GLAZE 100K JA 1/16W
R1242	401 105 0603	MT-GLAZE 10K JA 1/16W
R1243	401 105 0603	MT-GLAZE 10K JA 1/16W
R1244	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1246	401 105 0702	MT-GLAZE 100K JA 1/16W
R1270	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1275	401 105 0702	MT-GLAZE 100K JA 1/16W
R1280	645 018 9326	INDUCTOR,1000 OHM
R1283	401 147 7707	MT-GLAZE 150 FA 1/10W
R1284	401 147 7707	MT-GLAZE 150 FA 1/10W
R1286	401 147 7707	MT-GLAZE 150 FA 1/10W
R1287	401 147 7707	MT-GLAZE 150 FA 1/10W
R1288	401 147 7707	MT-GLAZE 150 FA 1/10W
R1289	401 147 7707	MT-GLAZE 150 FA 1/10W
COIL		
L1003	645 024 0669	FILTER,EMI 20PF
L1004	645 024 0669	FILTER,EMI 20PF
L1006	645 024 0669	FILTER,EMI 20PF
L1021	645 024 0669	FILTER,EMI 20PF
L1022	645 024 0669	FILTER,EMI 20PF
L1023	645 024 0669	FILTER,EMI 20PF
L1024	645 025 0637	FILTER,EMI 190PF
L1026	645 025 0637	FILTER,EMI 190PF
L1027	645 024 0669	FILTER,EMI 20PF
L1028	645 024 0669	FILTER,EMI 20PF
L1071	645 025 0637	FILTER,EMI 190PF
L1072	645 025 0637	FILTER,EMI 190PF
L1073	645 024 0669	FILTER,EMI 20PF
L1074	645 024 0669	FILTER,EMI 20PF
L1076	645 024 0669	FILTER,EMI 20PF
L1077	645 024 0669	FILTER,EMI 20PF
L1078	645 024 0669	FILTER,EMI 20PF
MISCELLANEOUS		
K1002	645 048 3882	SOCKET,BNC 1P
K1003	645 050 3863	JACK,RCA-2
K1004	645 049 4901	JACK,RCA-2
K1006	645 048 3875	SOCKET,BNC 5P
K1007	645 049 4901	JACK,RCA-2
K1008	645 028 0412	SOCKET,BNC 5P
K1009	645 049 4901	JACK,RCA-2
SC1101	645 045 7449	SURGE-ABSORBER
SC1104	645 045 7449	SURGE-ABSORBER
SC1105	645 045 7449	SURGE-ABSORBER
SC1106	645 045 7449	SURGE-ABSORBER
SC1107	645 045 7449	SURGE-ABSORBER
SC1108	645 045 7449	SURGE-ABSORBER
SC1109	645 045 7449	SURGE-ABSORBER
SC1111	645 045 7449	SURGE-ABSORBER
SC1112	645 045 7449	SURGE-ABSORBER
SC1113	645 045 7449	SURGE-ABSORBER
SC1114	645 045 7449	SURGE-ABSORBER
SC1116	645 045 7449	SURGE-ABSORBER
SC1117	645 045 7449	SURGE-ABSORBER
SC1118	645 045 7449	SURGE-ABSORBER
SC1119	645 045 7449	SURGE-ABSORBER
SC1121	645 045 7449	SURGE-ABSORBER
SC1122	645 045 7449	SURGE-ABSORBER
SC1123	645 045 7449	SURGE-ABSORBER
610 297 0074 ASSY,PWB,JACK-D J3BL 1AA0B10N021BI		
RESISTOR		
R1600	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1603	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1606	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1609	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1612	401 105 0702	MT-GLAZE 100K JA 1/16W
R1613	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1616	401 105 0702	MT-GLAZE 100K JA 1/16W
R1617	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
COIL		
L1601	645 024 0669	FILTER,EMI 20PF
L1602	645 024 0669	FILTER,EMI 20PF
L1603	645 024 0669	FILTER,EMI 20PF
L1604	645 024 0669	FILTER,EMI 20PF
L1606	645 024 0669	FILTER,EMI 20PF
MISCELLANEOUS		
K1601	645 048 3882	SOCKET,BNC 1P
K1602	645 045 8477	SOCKET,DIN 4P
K1603	645 041 3858	JACK,RCA-3
SC1601	645 045 7449	SURGE-ABSORBER
SC1602	645 045 7449	SURGE-ABSORBER
SC1603	645 045 7449	SURGE-ABSORBER
SC1604	645 045 7449	SURGE-ABSORBER
SC1606	645 045 7449	SURGE-ABSORBER
610 297 0081 ASSY,PWB,RC/232C J3BL 1AA0B10N021BJ		
INTEGRATED CIRCUIT		
IC2009	409 475 4900	IC SP202ECN
CAPACITOR		
C2011	403 164 0204	CERAMIC 0.1U Z 25V
C2021	403 298 9609	CERAMIC 0.1U K 16V
C2022	403 298 9609	CERAMIC 0.1U K 16V
C2023	403 298 9609	CERAMIC 0.1U K 16V
C2024	403 298 9609	CERAMIC 0.1U K 16V
C2026	403 283 6309	CERAMIC 1U Z 10V
RESISTOR		
R2005	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R2011	401 105 0603	MT-GLAZE 10K JA 1/16W
R2012	401 105 3208	MT-GLAZE 270 JA 1/16W

Key No.	Part No.	Description
R2013	645 018 9326	INDUCTOR,1000 OHM
R2014	645 018 9326	INDUCTOR,1000 OHM
R2025	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R2026	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R2027	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R2030	401 105 5301	MT-GLAZE 4.7K JA 1/16W
R2031	401 105 5301	MT-GLAZE 4.7K JA 1/16W
R2032	401 105 5301	MT-GLAZE 4.7K JA 1/16W
R2043	401 105 5103	MT-GLAZE 47 JA 1/16W
R2044	645 018 9326	INDUCTOR,1000 OHM
R2046	401 105 5103	MT-GLAZE 47 JA 1/16W
R2047	401 105 5103	MT-GLAZE 47 JA 1/16W
R2048	645 018 9326	INDUCTOR,1000 OHM
R2049	401 105 5103	MT-GLAZE 47 JA 1/16W
R2051	645 018 9326	INDUCTOR,1000 OHM
R2052	645 018 9326	INDUCTOR,1000 OHM
MISCELLANEOUS		
K2001	610 009 8053	JACK,PHONE D3.6
K2003	645 053 4935	PLUG,D-SUB 9P
PC2001	407 105 8700	PHOTO COUPLE PC113B
SC2001	645 045 7449	SURGE-ABSORBER
SC2006	645 045 7449	SURGE-ABSORBER
SC2007	645 045 7449	SURGE-ABSORBER
SC2008	645 045 7449	SURGE-ABSORBER
SC2009	645 045 7449	SURGE-ABSORBER
610 294 6314 ASSY,PWB,FRONT J3BA 1AA0B10N0210B		
CAPACITOR		
C1901	403 149 9208	CERAMIC 0.01U Z 50V
C1902	403 113 3805	CERAMIC 1000P K 50V
RESISTOR		
R1901	401 105 3406	MT-GLAZE 27K JA 1/16W
R1902	401 105 0603	MT-GLAZE 10K JA 1/16W
R1903	401 105 6001	MT-GLAZE 5.6K JA 1/16W
R1904	401 105 4106	MT-GLAZE 3.3K JA 1/16W
R1905	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1906	401 105 2805	MT-GLAZE 2.2K JA 1/16W
R1907	401 105 2003	MT-GLAZE 1.8K JA 1/16W
R1908	401 105 0603	MT-GLAZE 10K JA 1/16W
R1909	401 105 0504	MT-GLAZE 1K JA 1/16W
R1911	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1912	645 004 6650	INDUCTOR,600 OHM
R1913	401 105 0405	MT-GLAZE 100 JA 1/16W
R1914	401 105 0405	MT-GLAZE 100 JA 1/16W
R1915	645 004 6650	INDUCTOR,600 OHM
DIODE		
D1901	407 105 3804	LED SLP-580D-50
MISCELLANEOUS		
A1901	645 050 4112	UNIT,REMOCON RECEIVER
A1901A	610 296 7784	SHIELD REMOCON RECEIVER-J
K19H	645 005 6956	PLUG,SIDE-ZR-SM3 7P
K19R	645 049 7575	SOCKET,FPC 10P
SC1901	645 045 7449	SURGE-ABSORBER
SC1902	645 045 7449	SURGE-ABSORBER
SW1901	645 009 3685	SWITCH,PUSH 2P-2TX1
610 295 3787 ASSY,PWB,CONTACT J3BA 1AA0B10N0210E		
K17D	645 043 8561	SOCKET,FPC 26P
K17E	645 049 9432	SOCKET,PWB-PWB 30P
610 297 1439 ASSY,PWB,POWER-J3BA 1AA0B10N03000		
CAPACITOR		
⚠ **C1601**	404 071 2503	MT-POLYEST 0.47U K 250V
⚠ **C1602**	404 071 2503	MT-POLYEST 0.47U K 250V
⚠ **C1603**	404 071 2503	MT-POLYEST 0.47U K 250V
COIL		
⚠ **LF1601**	645 025 7810	LINE FILTER
⚠ **LF1602**	645 025 7810	LINE FILTER
MISCELLANEOUS		
⚠ **F001**	423 027 2602	FUSE 250V 10A

■ Parts Description and Reading in Schematic Diagram

1. The parts specification of resistors, capacitors and coils are expressed in designated code. Please check the parts description by the following code table.
2. Some of transistors and diodes are indicated in mark for the substitution of parts name. Please check the parts name by the following code table.
3. Voltages and waveforms were taken with a video color bar signal(1Vp-p at 75 ohms terminated) and controls to normal.
4. Voltages were taken with a high-impedance digital voltmeter.

Capacitor Reading


Example 2000 K K 1000 BG
Characteristic
Example 160 E M 10
Capacitance value
Excepting electric capacitors, all capacitance values of less than 1 are expressed in μF and more than 1 are in pF.
Tolerance
Type
Rated voltage

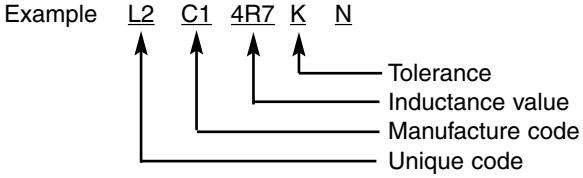
Material table

Mark	Material
E	Electrolytic
P	Electrolytic (non-polarized)
C	Ceramic (temperature compensation)
K	Ceramic
F	Polyester
N	Polypropylene
M	Metalized polypropylene
H	Metalized polypromylar
B	Ceramic (semiconductor)
G	Metalized polyestel
Y	Composite film
S	Styrol
T	Tantalum oxide solid electrolytic
U	Organic semiconductive electrolyte
D	Electric double layer electrolytic

Tolerance table

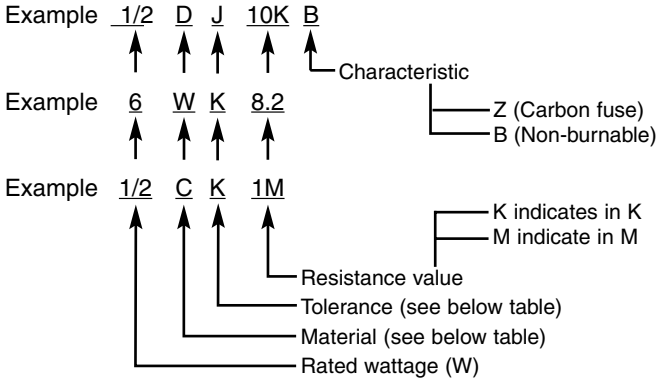
Mark	Tolerance	
A	not specified	
B	±0.1	
C	±0.25	
D	±0.5	
F	±1	
G	±2	
E	±2.5	
H	±3	
J	±5	
K	± 0	
M	±20	
N	±30	
P	+100	-0
Q	+30	-10
T	+50	-10
U	+75	-10
V	+20	-10
W	+100	-10
X	+40	-20
Y	+150	-10
Z	+80	-20

Coil Reading



Mark	Tolerance (nH)	Mark	Tolerance (%)
C	±0.25	G	±2
D	±0.5	J	±5
S	±0.3	K	±10
A	±0.2	L	±15
		M	±20

Resistor Reading



Note: Resistor which is indicated with resistance value only are 1/6W carbon resistor. Resistor which is indicated with material, tolerance and value are 1/4W rated wattage.

Material table

Mark	Material
D	Carbon
N	Metal film
S	Oxide metal film
C	Solid
G	Metal glaze
W	Wire wounding or cement
H	Ceramic
F	Fusible

Tolerance table

Mark	Tolerance
A	±0.05
B	±0.1
C	±0.25
D	±0.5
F	±1
G	±2
J	±5
K	±10
M	±20
P	+5 -15
Z	used in 0 ohm

Diode/Transistor Type Reading

Diode

Mark	Type number
R	1S2076A,1S2473,1N4148
AA	1S2076A,1S2473,1SS133,1N4148

Transistor

(1) NPN type

Mark	Type number				
--	2SC536	2SC945A	2SC1815	2SC1740S	
AD	NF, NG	PA, QA	Y, GR	Q, R, S	
AE	NF, NG	PA, QA, RA	O, Y, GR	Q, R, S	

(2) PNP type

Mark	Type number				
--	2SA608	2SA564A	2SA1015	2SA933S	
AB	NF	R	Y, GR	R	
AC	NF	Q, R	O, Y, GR	Q, R	

(3) Chip type

Mark	Type number				
--	2SA1179/N	2SA1037K	2SA1037AK	2SC2812/N	2SC2412K
AJ	M6, M7	R, S	R, S		
AH				L6, L7	R, S

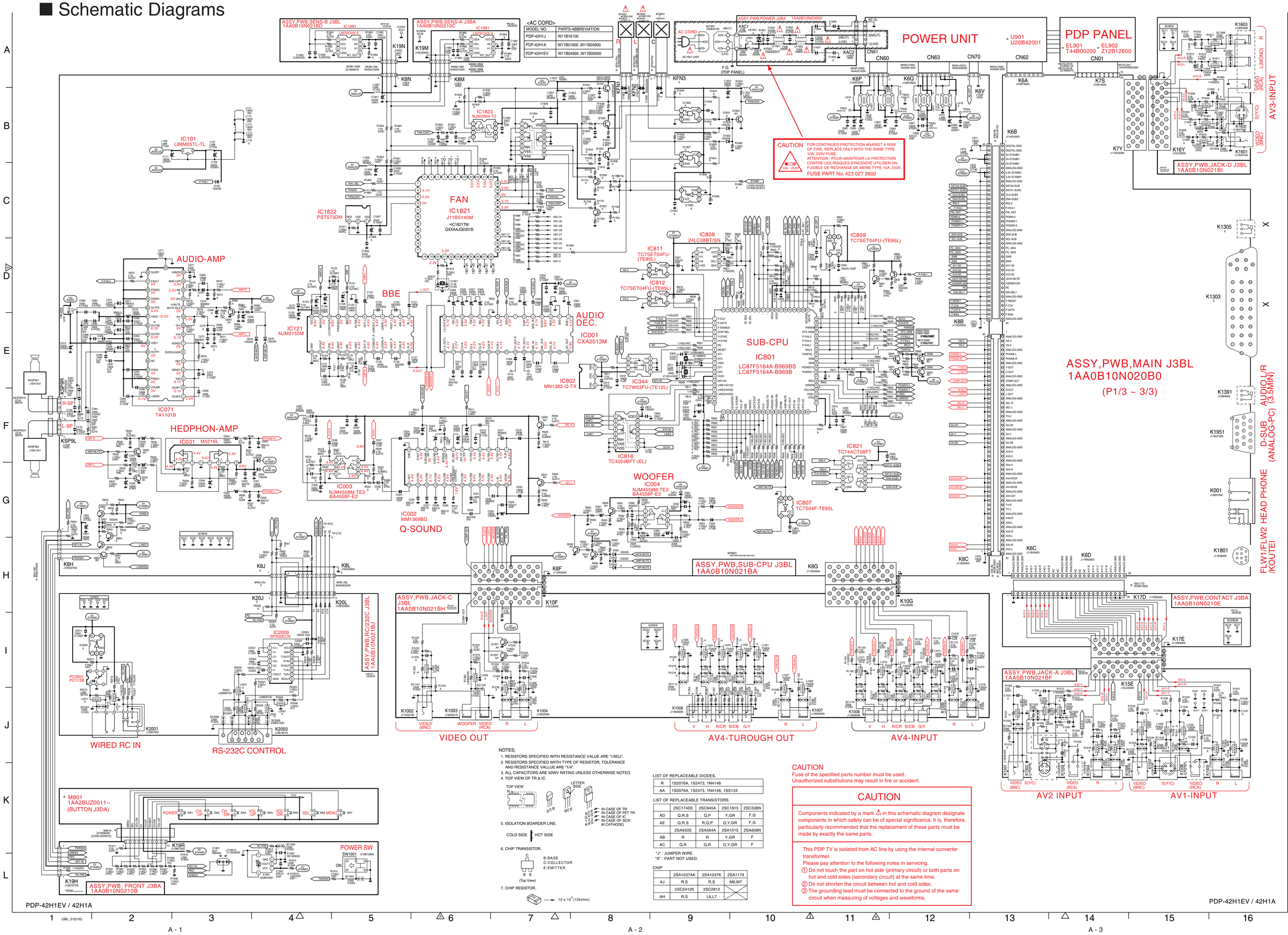
■ Memo

■ Memo

FEB / 2002 / 335 Printed in Japan

SANYO Electric Co., Ltd.

■ Schematic Diagrams



MODEL NO.	PARTS-ABBREVIATION
PDP-42H1U	W11B16100
PDP-42H1A	W11B01900 ,W11B04900
PDP-42H1EV	W11B04900 ,W11B05000

NOTES;

1. RESISTORS SPECIFIED WITH RESISTANCE VALUE ARE "1/6DJ".
2. RESISTORS SPECIFIED WITH TYPE OF RESISTOR, TOLERANCE AND RESISTANCE VALLUE ARE "1/4".
3. ALL CAPACITORS ARE 50WV RATING UNLESS OTHERWISE NOTED.
4. TOP VIEW OF TR & IC.

TOP VIEW

LETTER SIDE

IN CASE OF TR
IN CASE OF FET TR
IN CASE OF IC
IN CASE OF SCR (K:CATHODE)

5. ISOLATION BOARDER LINE.

COLD SIDE | HOT SIDE

6. CHIP TRANSISTOR.

B:BASE
C:COLLECTOR
E:EMITTER

(Top View)

7. CHIP RESISTOR.

12 x 10³ (12kohm)

LIST OF REPLACEABLE DIODES.

R	1S2076A, 1S2473, 1N4148
AA	1S2076A, 1S2473, 1N4148, 1SS133

LIST OF REPLACEABLE TRANSISTORS.

	2SC1740S	2SC945A	2SC1815	2SC536N	
AD	Q,R,S	Q,P	Y,GR	F,G	
AE	Q,R,S	R,Q,P	O,Y,GR	F,G	
	2SA933S	2SA564A	2SA1015	2SA608N	
AB	R	R	Y,GR	F	
AC	Q,R	Q,R	O,Y,GR	F	

"J" : JUMPER WIRE.
"X" : PART NOT USED.

CHIP

	2SA1037AK	2SA1037K	2SA1179	
AJ	R,S	R,S	M6,M7	
	2SC2412K	2SC2812		
AH	R,S	L6,L7		

CAUTION
Fuse of the specified parts number must be used.
Unauthorized substitutions may result in fire or accident.

CAUTION

Components indicated by a mark ⚠ in this schematic diagram designate components in which safety can be of special significance. It is, therefore, particularly recommended that the replacement of these parts must be made by exactly the same parts.

This PDP TV is isolated from AC line by using the internal converter transformer.
Please pay attention to the following notes in servicing.
① Do not touch the part on hot side (primary circuit) or both parts on hot and cold sides (secondary circuit) at the same time.
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③ The grounding lead must be connected to the ground of the same circuit when measuring of voltages and waveforms.

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TO PDP-PANEL(LVDS)

IC1401
EP1K30TC144-3

IC1402
EPC1LC20-B878

IC602
PST600IM

IC610
BA033FP-E2

IC620
BA033FP-E2

IC606
PQ2TZ15;
PQ025EZ01ZP

IC753
THC63LVDM83R

IC755
BA033FP-E2

IC302
PQ2TZ15;
PQ025EZ01ZP

IC303
AV9155C

IC304
TC74LCX244FT

IC307
MBM29LV800TA90C009AS
:MBM29LV800TA90C009A

IC308
IS61LV6416-15T

IDT71V016
1M SRAM

IC1255
TC74LCX125FT
(EL)

IC1259

IC1260

IC1258

IC1256
TC74LCX125FT
(EL)

IC1257
TC7S04F-TE85L

IC1251
TC74VCX125FT
(EL)

IC1252
TC74LCX125FT(EL)

IC1254
TC7W53FU-(TE12L)

FROM P1

MATRIX
IC601
MN82860
(SIDE:A)

IC301
PW365-10U
<TOP_VIEW>
(SIDE:A)

IC331
ICS512MT

IC305
PST573IM

IC309
TC7SZ32FU-
TE85L

IC306
TC74LCX04FT-
(EL)

IC1851
24LC16BT/SN-T

K7S
(SIDE:A)

K7I
(SIDE:A)

K7P
(SIDE:A)

K7X
(SIDE:A)
FIX

K7Y
(SIDE:A)
FIX

K7Z
(SIDE:A)
FIX

FOR MLTI-BOAD

TO AV3-INPUT

FOR MLTI-BOAD

NOTES;
1. RESISTORS SPECIFIED WITH RESISTANCE VALUE ARE "1/6OJ".
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3. ALL CAPACITORS ARE 50WV RATING UNLESS OTHERWISE NOTED.
4. TOP VIEW OF TR & IC.

TOP VIEW
LETTER SIDE
IN CASE OF TR
IN CASE OF FET TR
IN CASE OF IC
IN CASE OF SCR (K:CATHODE)

5. ISOLATION BOARDER LINE.

COLD SIDE | HOT SIDE

6. CHIP TRANSISTOR.

B:BASE
C:COLLECTOR
E:EMITTER
(Top View)

7. CHIP RESISTOR.

12 x 10³ (12kohm)

LIST OF REPLACEABLE DIODES.

R	1S2076A, 1S2473, 1N4148
AA	1S2076A, 1S2473, 1N4148, 1SS133

LIST OF REPLACEABLE TRANSISTORS.

	2SC1740S	2SC945A	2SC1815	2SC536N
AD	Q,R,S	Q,P	Y,GR	F,G
AE	Q,R,S	R,Q,P	O,Y,GR	F,G
	2SA933S	2SA564A	2SA1015	2SA608N
AB	R	R	Y,GR	F
AC	Q,R	Q,R	O,Y,GR	F

"J" : JUMPER WIRE.
"X" : PART NOT USED.

CHIP

	2SA1037AK	2SA1037K	2SA1179
AJ	R,S	R,S	M6,M7
	2SC2412K	2SC2812	
AH	R,S	L6,L7	

ASSY,PWB,MAIN
P2/3

ASSY,PWB,MAIN J3BL
1AA0B10N020B0 P1/3

PDP-42H1EV / 42H1A

PDP-42H1EV / 42H1A

J3BL_02(0.55)

A - 4 A - 5 A - 6

FROM SUB-UNIT

FROM SUB-UNIT

FROM POWER-UNIT

K6C (CNB9004) (SIDE:A) FIX

K6A J100HG400G

K6B J71HG400G (SIDE:A) FIX

SCREW

FROM AV-UNIT

K6D (CNB9006) (SIDE:A) FIX

AV1 IN

AV2 IN

AV3 IN

AUDIO/VIDEO SW

IC1001

CXA1845Q

IC823

74LVX32SJX

IC1002

TC4052BF(EL)

PC-AUDIO SW

VIDEO DEC.

IC401

VPC3230D-QA-B3

(SIDE:A)

IC404

PST600IM

I/P

IC501

SDA9415

(SIDE:A)

IC506

BA033FP-E2

IC415

BA033FP-E2

IC204

BD6111FV-E2

IC208

BD6111FV-E2

IC206

BA033FP-E2

IC201

AD8057ART

IC202

AD8057ART

IC203

AD8057ART

A/D

IC207

AD9884AKS-100

(SIDE:A)

IC209

Y/C

ASSY,PWB,MAIN
P3/3

IC806

TC4053BFT-(EL)

IC804

TC4053BFT-(EL)

IC803

TC4053BFT-(EL)

IC822

TC74ACT08FT

RGB (Component)

VIDEO SW

IC1124

BA7657F

VIDEO SW

IC1123

BA7657F

DDC (ANALOG)

IC1951

24LC21A/SN

SYNC SEP.

IC1201

BA7078AF-E2

IC982

TC7WT125FU-TE12L

IC981

TC7WT125FU-TE12L

(Top View)

B:BASE
C:COLLECTOR
E:EMITTER

12 x 10³ (12kohm)

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IN CASE OF TR
IN CASE OF FET TR
IN CASE OF IC
IN CASE OF SCR
(K:CATHODE)

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	2SA933S	2SA564A	2SA1015	2SA608N
AB	R	R	Y,GR	F
AC	Q,R	Q,R	O,Y,GR	F

:I : JUMPER WIRE.
"X" : PART NOT USED.

CHIP

	2SA1037AK	2SA1037K	2SA1179
AJ	R,S	R,S	M6,M7
	2SC2412K	2SC2812	
AH	R,S	L6,L7	

ASSY,PWB,MAIN J3BL
1AA0B10N020B0 P2/3

ASSY,PWB,MAIN
P1/3

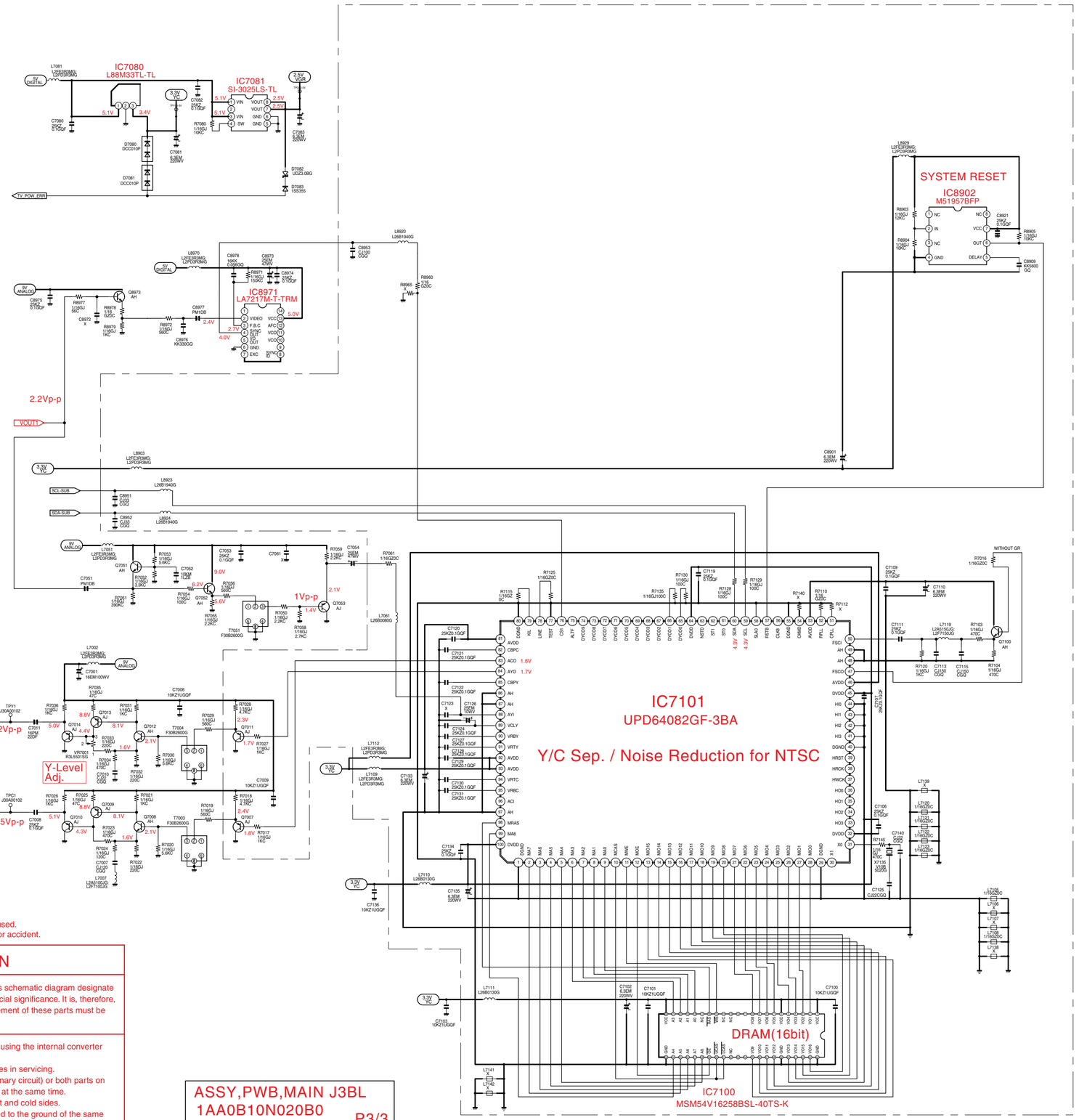
FLW1/FLW2/KOUTEI

HEAD PHONE

D-SUB(ANALOG-PC)

AUDIO L/R (3.5MIN)

PDP-42H1EV / 42H1A



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AE	Q,R,S	R,Q,P	O,Y,GR	F,G
	2SA933S	2SA564A	2SA1015	2SA608N
AB	R	R	Y,GR	F
AC	Q,R	Q,R	O,Y,GR	F

"J" : JUMPER WIRE.
"X" : PART NOT USED.

CHIP

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AJ	R,S	R,S	M6,M7
	2SC2412K	2SC2812	
AH	R,S	L6,L7	

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■ Printed Wiring Board Diagrams

MAIN UNIT (ASSY, PWB, MAIN) [A SIDE]

CONNECT UNIT
K17D

B10N01500

HED-PHONE

PC-INPUT1 (D-SUB)

PC-AUDIO IN1 (3.5MIN)

PC-INPUT2 (DVI-D)

PC-AUDIO IN2 (3.5MIN)

VIEWER-INPUT1

JACK-D UNIT
(ASSY, PWB, JACK-D)
[A SIDE]

B10N01601_A

PDP
PANEL
CN01

JACK-C UNIT (ASSY, PWB, JACK-C) [A SIDE]

B10N0116A_A

SUB CPU UNIT (ASSY, PWB, SUB CPU) [A SIDE]

B10N0160A_A

POWER
UNIT
CN10

POWER
UNIT
CN09

POWER
UNIT
CN07

SPEAKER
KSP901

FAN
FN901

FAN
FN902

SPEAKER
KSP902

SENS-B
UNIT
K19N

SENS-A
UNIT
K19M

B10N0160J_A

RC/232C UNIT (ASSY, PWB, RC/232C) [A SIDE]

B10N0160B_A

BUTTON
M901

FRONT UNIT (ASSY, PWB, FRONT) [A SIDE]

POWER UNIT (ASSY, PWB, POWER) [A SIDE]

SENSOR-A UNIT
(ASSY, PWB, SENS-A)
[A SIDE]

SUB CPU UNIT
K8M

B10N0160C_A

SENSOR-B UNIT
(ASSY, PWB, SENS-B)
[A SIDE]

SUB CPU UNIT
K8N

B10N0160D_A

非充電部

8A 250V

AC-FUSE

充電部

B10N0240A

JACK-A UNIT (ASSY, PWB, JACK-A)
[A SIDE]

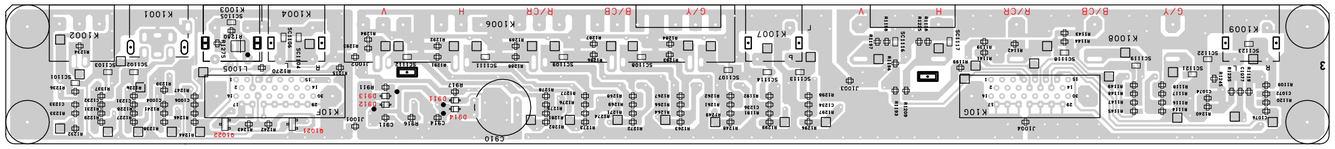
B10N0160F_A

CONNECT UNIT
(ASSY, PWB,
CONNECT)
[A SIDE]

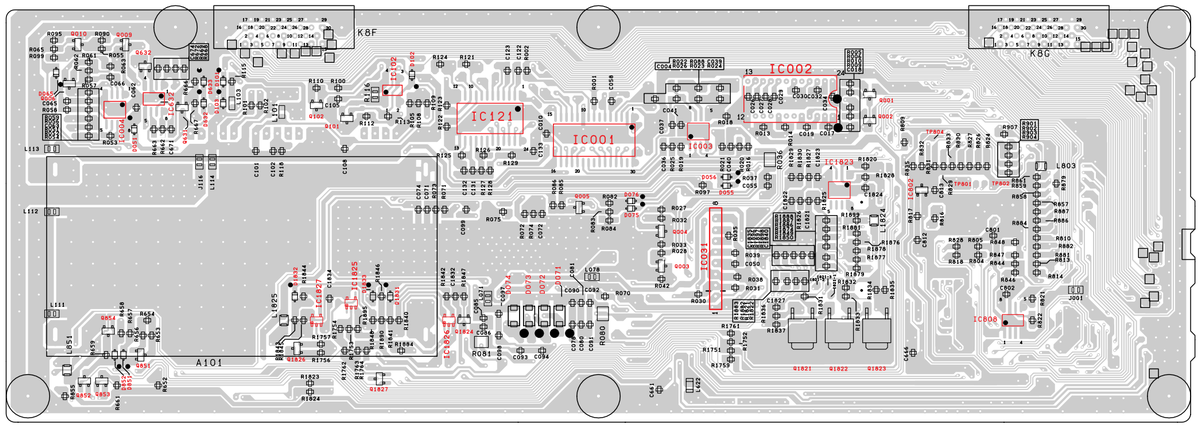
B10N0160E_A

MAIN UNIT
K6D

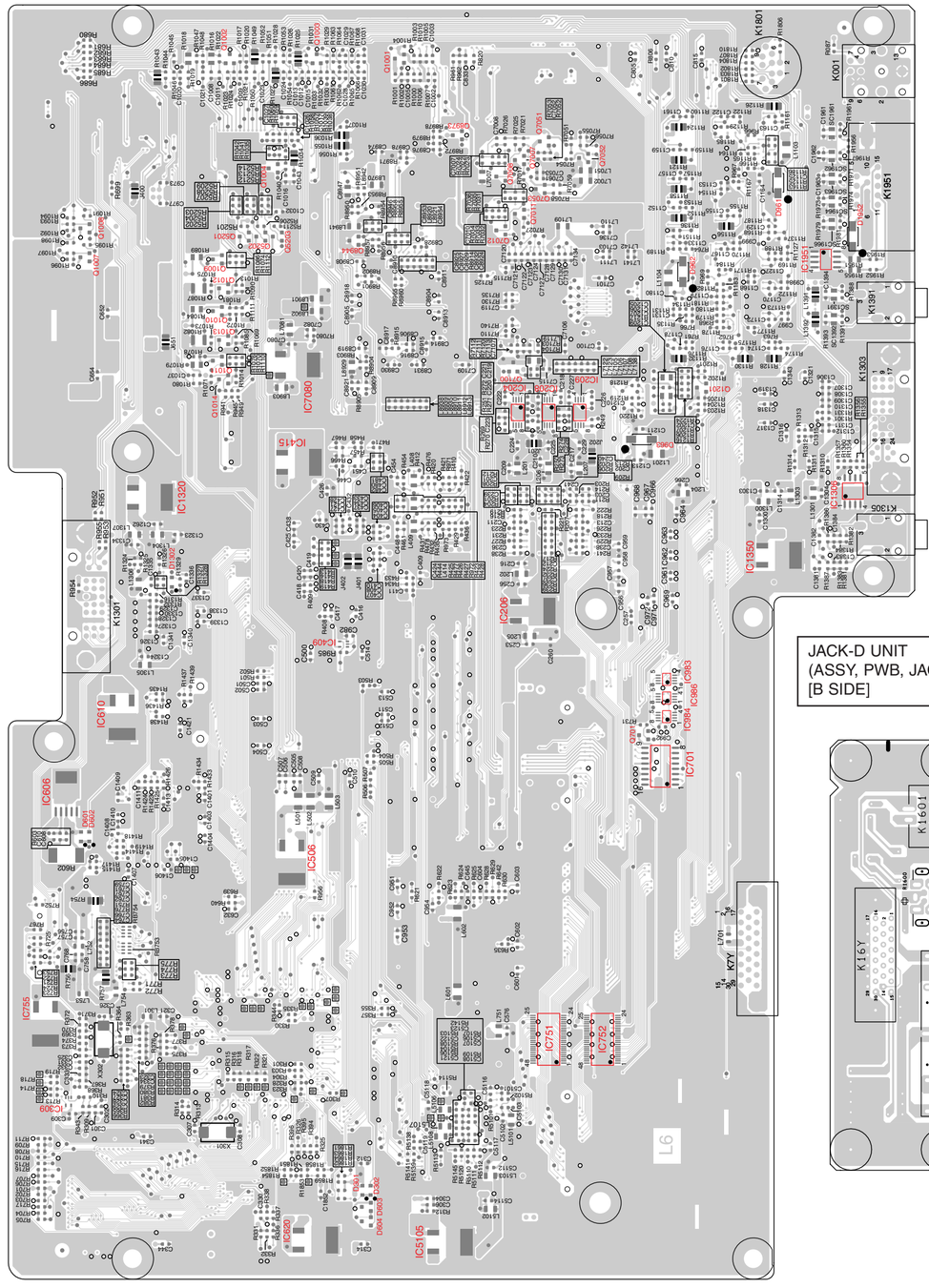
JACK-C UNIT (ASSY, PWB, JACK-C) [B SIDE]



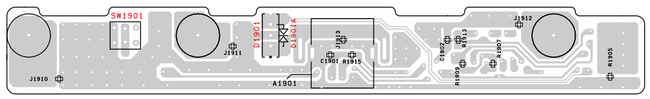
SUB CPU UNIT (ASSY, PWB, SUB CPU) [B SIDE]



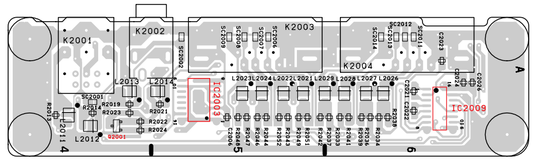
MAIN UNIT (ASSY, PWB, MAIN) [B SIDE]



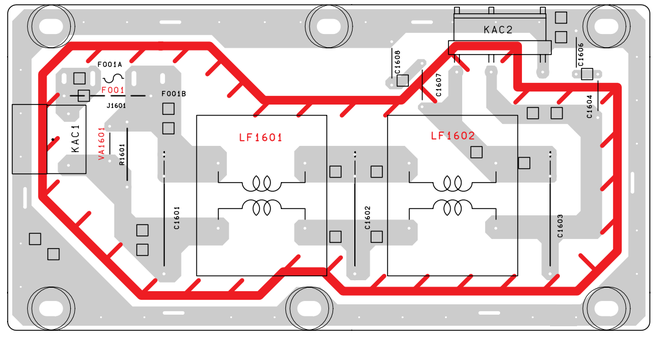
FRONT UNIT (ASSY, PWB, FRONT) [B SIDE]



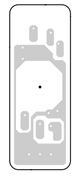
RC/232C UNIT (ASSY, PWB, RC/232C) [B SIDE]



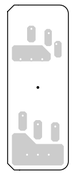
POWER UNIT (ASSY, PWB, POWER) [B SIDE]



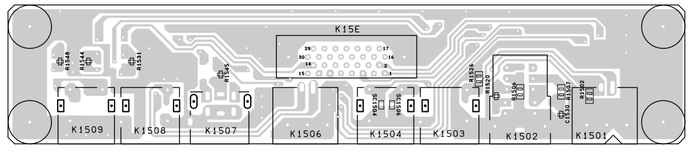
SENSOR-B UNIT (ASSY, PWB, SENS-B) [B SIDE]



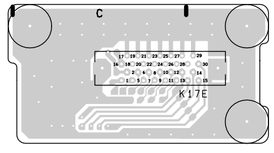
SENSOR-A UNIT (ASSY, PWB, SENS-A) [B SIDE]



JACK-A UNIT (ASSY, PWB, JACK-A) [B SIDE]



CONNECT UNIT (ASSY, PWB, CONNECT) [B SIDE]



JACK-D UNIT (ASSY, PWB, JACK-D) [B SIDE]